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Tables of $F(u_s, u_B)$ and $dF(Y, \gamma)/dY$ Functions for Calculations of Surface Space-Charge and its Capacitance in Semiconductors

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Investigation of surface properties of semiconductors is getting more and more important not only for theory, but also for technological applications.

In the study of semiconductor surfaces the problems of calculating the surface space-charge and its capacitance together with the change in surface conductance due to an applied voltage must be solved.

For the required calculations it is necessary to know the values of more complicated functions some of which cannot be expressed by algebraical manner.

In the year 1945 Kingston and Neustadter [1] derived and evaluated certain mathematical functions which are necessary for calculation of three fundamental quantities which are: The surface space charge, the electric field at the surface and the change in concentration of electrons and holes as a function of surface potential. These functions were presented in graphical representations. These graphs do not allow to calculate the above quantities with any great accuracy. For this reason, Mattauch et al. [2] presented tables of these functions.

These tables, however, are suitable for semiconductors with a narrower band gap (Ge, Si) at room or higher temperatures.

The tables are no more for semiconductors with wide band gap which have begun to be used for technical applications (i.e. CdSe, CdS).

The purpose of this paper is to extend the use of the tables practically for all main important types of semiconductors in wide temperature region.

1. Charge in Semiconductor Space-Charge Region

In Fig. 1 the energy band diagram for surface region of a semiconductor is presented. The fundamental parameters are the following:

u — is the value of Fermi energy E_F in the units k_0T related to a Fermi energy (E_i) of the intrinsic semiconductor, i.e. $u = (E_F - E_i)/k_0T$. u is positive if E_F is situated over E_i.

u_B — is the value of u in the bulk of the semiconductor.

ψ — is the electrostatical potencial ($\psi = 0$ in the bulk), $\psi < 0$ for an upward bending of the energy band.

ψ_s — is the value of ψ at the surface ($x = 0$).

Y — is the value of $e\,\psi_s$ in the units k_0T, i.e. $Y = \frac{e\psi_s}{k_0T}\left(y = \frac{e\psi}{k_0T}\right)$

φ — is the difference between electrochemical and electrostatic potentials in the crystal.

φ_s — is the value of φ at the surface — it is called surface potential.

φ_B — is its value in the bulk.

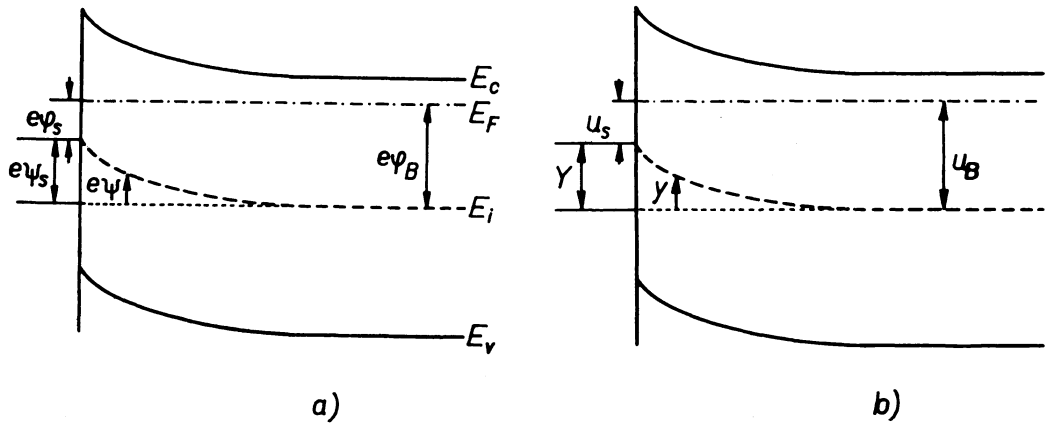

Fig. 1. Energy band diagram of a semiconductor surface

The dependence of the potential φ on the coordinate x can be calculated by the solution of Poisson's equation

$$\frac{\partial^2\varphi}{\partial x^2} = -\frac{\varrho(x)}{\varepsilon_r\varepsilon_0} \tag{1}$$

where ε_r and ε_0 are the dielectric constants of the semiconductor and vacuum respectively. $\varrho\,(x)$ is the charge density in semiconductor space-charge region and it is equal to:

$$\varrho\,(x) = q\,(p - n + N_D^+ - N_A^-) \tag{2}$$

where the assumption is made that all donors (N_D^+) and acceptors (N_A^-) are ionized. p and n are the concentrations of holes and electrons respectively, q is the electronic charge.

In the bulk of the material for $x \to \infty$, where $\varrho = 0$, $\varphi = \varphi_B$ and $d\varphi/dx = 0$, the following equation is valid:

$$p_o - n_o = N_A^- - N_D^+ \tag{3}$$

p_o and n_o are the concentrations of holes and electrons in the bulk; assuming non-degeneracy they are equal to

$$n_o = N_c \exp\left(\frac{E_F - E_c}{k_o T}\right) \tag{4}$$

and

$$p_o = N_v \exp\,(E_v - E_F)/k_o T \tag{5}$$

where N_c and N_v are the "effective state densities" in conductance and valence bands (E_c and E_v see Fig. 1).

The intrinsic concentrations of electrons (n_i) and holes (p_i) may be expressed similarly as

$$n_i = p_i = N_c \exp\frac{E_c - E_i}{k_o T} = N_v \exp\left(\frac{-E_g - E_F}{k_o T}\right) \tag{6}$$

where E_g is the band gap.
Using equations (4), (5) and (6) we get

$$n_o = n_i \exp\left(\frac{q\varphi_B}{k_o T}\right) = n_i \exp u_B \tag{7}$$

and

$$p_o = n_i \exp\,(-\,q\,\varphi_B/k_o T) = n_i \exp\,(-u_B) \tag{8}$$

Thus

$$p_o - n_o = N_A^- - N_D^+ = -\,2n_i \sinh\frac{q\varphi_B}{k_o T} = -\,2n_i \sinh u_B \tag{9}$$

In the similar way we may write for the space charge region

$$p - n = -\,2n_i \sinh q\varphi/k_o T = -\,2n_i \sinh u \tag{10}$$

or

$$p - n = p_o \exp\left(\frac{-q\psi}{k_o T}\right) - n_o \exp\,(q\,\psi/k_o T) \tag{11}$$

Equation (1) then becomes

$$\frac{\partial^2\varphi}{\partial x^2} = -\,\frac{2n_i q}{\varepsilon_r \varepsilon_o}\left(\sinh\frac{q\varphi_B}{k_o T} - \sinh\frac{q\varphi}{k_o T}\right) \tag{12}$$

or

$$\frac{\partial^2\psi}{\partial x^2} = \frac{n_i q}{\varepsilon_r \varepsilon_o}\left\{\gamma\left[\exp\left(\frac{q\psi}{k_o T}\right) - 1\right] - \gamma^{-1}\left[\exp\left(-\frac{q\psi}{k_o T}\right) - 1\right]\right\} \tag{13}$$

where

$$\gamma = \frac{n_o}{n_i} = e^{u_B} \quad \text{and} \quad \gamma^{-1} = \frac{n_i}{n_o} = \frac{p_o}{n_i} = e^{-u_B} \tag{14}$$

Introducing the dimensionless quantities u_B, u, y, Y, the above equations become

$$\frac{\partial^2 u}{\partial x^2} = \frac{1}{L_D^2} (\sinh u - \sinh u_B) \tag{15}$$

and

$$\frac{\partial^2 y}{\partial x^2} = \frac{1}{2L_D^2} [\gamma (e^y - 1) - \gamma^{-1} (e^{-y} - 1)] \tag{16}$$

where

$$L_D = \left(\frac{\varepsilon_r \varepsilon_0 k_0 T}{2q^2 n_i} \right)^{1/2} \tag{17}$$

Upon integrating equation (15) between $u = u_B$, $(\partial u/\partial x = 0)$ and $u = u$, and equation (16) between $y = 0$ and $y = y$ we get

$$\int_0^{(\partial u/\partial x)} \left(\frac{\partial u}{\partial x} \right) \mathrm{d} \left(\frac{\partial u}{\partial x} \right) = \frac{1}{L_D^2} \int_{u_B}^{u} [\sinh u - \sinh u_B] \, \mathrm{d}u$$

and

$$\left(\frac{\partial u}{\partial x} \right) = \pm \frac{\sqrt{2}}{L_D} [(u_B - u) \sinh u_B - (\cosh u_B - \cosh u)]^{1/2} \tag{18}$$

or

$$\frac{\partial y}{\partial x} = \pm \frac{1}{L_D} [\gamma (e^y - 1) + \gamma^{-1} (e^{-y} - 1) - y (\gamma - \gamma^{-1})]^{1/2} \tag{19}$$

If we now let

$$F(u, u_B) = \pm \sqrt{(2)} [(u_B - u) \sinh u_B - (\cosh u_B - \cosh u)]^{1/2} \tag{20}$$

or

$$F(y, \gamma) = \pm [\gamma (e^y - 1) + \gamma^{-1} (e^{-y} - 1) - y (\gamma - \gamma^{-1})]^{1/2} \tag{21}$$

the following expressions for the electric field $E(x)$ for the given x can be expressed as

$$E(x) = -\frac{\partial \varphi}{\partial x} = -\frac{\partial \psi}{\partial x} = -\frac{k_0 T}{qL_D} F(u, u_B) = -\frac{k_0 T}{qL_D} F(y, \gamma) \tag{22}$$

The electric field $E(0) = E_s$ at the surface is then given as

$$E_s = -\frac{k_0 T}{qL_D} F(u_s, u_B) \tag{23}$$

According to Eqs. (1) and (22) the space charge in the surface per unit area Q_{sc}, is equal to

$$Q_{sc} = \int_0^\infty \varrho(x) \, \mathrm{d}x = \varepsilon_r \varepsilon_0 \int_0^\infty \left(\frac{\partial E}{\partial x} \right) \mathrm{d}x = -\varepsilon_r \varepsilon_0 E_s \tag{24}$$

and thus

$$Q_{sc} = \frac{\varepsilon_r \varepsilon_0 k_0 T}{qL_D} F(u_s, u_B) = \frac{-\psi_s}{|\psi_s|} \frac{\varepsilon_r \varepsilon_0 k_0 T}{qL_D} |F(Y, \gamma)| \tag{25}$$

or

$$Q_{sc} = 2qn_i L_D F(u_s, u_B) = 2qn_i L_D F(Y, \gamma) \tag{26}$$

The sign of function $F(Y, \gamma)$ is positive for $Y < 0$ and negative for $Y > 0$.

2. Space Charge Capacitance

A differencial capacitance associated with semiconductor space charge, so called the space charge capacitance, C_{sc}, is defined as

$$C_{sc} = -\frac{dQ_{sc}}{d\psi_s} = -\frac{dQ_{sc}}{dY}\frac{dY}{d\psi_s} \tag{27}$$

Using expression (25) we get

$$C_{sc} = \frac{\psi_s \varepsilon_r \varepsilon_o}{|\psi_s| L_D}\frac{dF(Y,\gamma)}{dY} \tag{28}$$

The calculations were performed by the computer Minsk 22, with the accuracy being upto nine valid digits. The results were printed with five valid digits. The program was set up in autocode MAT 4. Entrance datas for the program were the quantities u_s and u_B. The table entries for the functions are in the notation in which the first five digits constitute the mantissa. The next digit and sign constitute the exponent of 10 by which the mantissa is multiplied, i.e. 0.34872 3 $= 0.34872 \times 10^3$.

References

[1] Kingston R. H. and Neustadter S. F., Journal of Applied Physics, 26, 718 (1955).

[2] Mattauch R. J., Lade R. W. and Hoadley G. B., Engineering School Bulletin, North Carolina State University, Bulletin No. 80.

Table 1

$u_B = -39$ $\gamma = 1.15 \cdot 10^{-17}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—1	0.24940	9	—0.29830	9	1	40	—0.18377	10	0.23560	8
—39	0	0				2	41	—0.18611	10	0.23264	8
—38	1	—0.17848	9	0.15334	9	3	42	—0.18842	10	0.22978	8
—37	2	—0.31355	9	0.11940	9	4	43	—0.19071	10	0.22703	8
—36	3	—0.42131	9	0.97652	8	5	44	—0.19520	10	0.22181	8
—35	4	—0.51124	9	0.83138	8	6	45	—0.19740	10	0.21933	8
—34	5	—0.58903	9	0.73010	8	7	46	—0.19958	10	0.21694	8
—33	6	—0.65817	9	0.65621	8	8	47	—0.20174	10	0.21462	8
—32	7	—0.72086	9	0.60008	8	9	48	—0.20387	10	0.21237	8
—31	8	—0.77858	9	0.55591	8	10	49	—0.20599	10	0.21019	8
—30	9	—0.83232	9	0.52013	8	11	50	—0.20808	10	0.20808	8
—29	10	—0.88280	9	0.49042	8	12	51	—0.21015	10	0.20603	8
—28	11	—0.93056	9	0.46527	8	13	52	—0.21220	10	0.20404	8
—27	12	—0.97598	9	0.44362	8	14	53	—0.21423	10	0.20210	8
—26	13	—0.10194	10	0.42474	8	15	54	—0.21624	10	0.20022	8
—25	14	—0.10610	10	0.40808	8	16	55	—0.21823	10	0.19840	8
—24	15	—0.11010	10	0.39323	8	17	56	—0.22021	10	0.19662	8
—23	16	—0.11397	10	0.37990	8	18	57	—0.22217	10	0.19488	8
—22	17	—0.11771	10	0.36783	8	19	58	—0.22411	10	0.19320	8
—21	18	—0.12133	10	0.35685	8	20	59	—0.22603	10	0.19155	8
—20	19	—0.12485	10	0.34680	8	21	60	—0.22794	10	0.18995	8
—19	20	—0.12827	10	0.33755	8	22	61	—0.22983	10	0.18839	8
—18	21	—0.13160	10	0.32900	8	23	62	—0.23171	10	0.18686	8
—17	22	—0.13485	10	0.32107	8	24	63	—0.23357	10	0.18537	8
—16	23	—0.13802	10	0.31369	8	25	64	—0.23541	10	0.18392	8
—15	24	—0.14113	10	0.30680	8	26	65	—0.23725	10	0.18250	8
—14	25	—0.14416	10	0.30034	8	27	66	—0.23906	10	0.18111	8
—13	26	—0.14713	10	0.29427	8	28	67	—0.24087	10	0.17976	8
—12	27	—0.15005	10	0.28855	8	29	68	—0.24266	10	0.17843	8
—11	28	—0.15291	10	0.28316	8	30	69	—0.24444	10	0.17715	8
—10	29	—0.15571	10	0.27806	8	31	70	—0.24620	10	0.17592	8
—9	30	—0.15847	10	0.27322	8	32	71	—0.24796	10	0.17477	8
—8	31	—0.16118	10	0.26863	8	33	72	—0.24970	10	0.17383	8
—7	32	—0.16384	10	0.26426	8	34	73	—0.25143	10	0.17336	8
—6	33	—0.16646	10	0.26010	8	35	74	—0.25317	10	0.17415	8
—5	34	—0.16904	10	0.25613	8	36	75	—0.25493	10	0.17829	8
—4	35	—0.17159	10	0.25233	8	37	76	—0.25676	10	0.19144	8
—3	36	—0.17409	10	0.24870	8	38	77	—0.25883	10	0.22881	8
—2	37	—0.17656	10	0.24522	8	39	78	—0.26155	10	0.33108	8
—1	38	—0.17900	10	0.24189	8	40	79	—0.26601	10	0.60519	8
0	39	—0.18140	10	0.23868	8						

Table 2

$u_B = -38$ $\gamma = 3.14 \cdot 10^{-17}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—2	0.37392	9	—0.27216	9	1	39	—0.11002	10	0.14477	8
—39	—1	0.15127	9	—0.18093	9	2	40	—0.11146	10	0.14290	8
—38	0	0				3	41	—0.11288	10	0.14110	8
—37	1	—0.10825	9	0.93006	8	4	42	—0.11428	10	0.13937	8
—36	2	—0.19018	9	0.72419	8	5	43	—0.11567	10	0.13770	8
—35	3	—0.25553	9	0.59229	8	6	44	—0.11839	10	0.13454	8
—34	4	—0.31008	9	0.50426	8	7	45	—0.11973	10	0.13303	8
—33	5	—0.35727	9	0.44283	8	8	46	—0.12105	10	0.13158	8
—32	6	—0.39920	9	0.39801	8	9	47	—0.12236	10	0.13017	8
—31	7	—0.43722	9	0.36397	8	10	48	—0.12366	10	0.12881	8
—30	8	—0.47223	9	0.33718	8	11	49	—0.12494	10	0.12749	8
—29	9	—0.50483	9	0.31547	8	12	50	—0.12621	10	0.12621	8
—28	10	—0.53545	9	0.29746	8	13	51	—0.12746	10	0.12496	8
—27	11	—0.56441	9	0.28220	8	14	52	—0.12871	10	0.12376	8
—26	12	—0.59196	9	0.26907	8	15	53	—0.12994	10	0.12258	8
—25	13	—0.61828	9	0.25762	8	16	54	—0.13116	10	0.12144	8
—24	14	—0.64353	9	0.24751	8	17	55	—0.13237	10	0.12033	8
—23	15	—0.66782	9	0.23851	8	18	56	—0.13356	10	0.11925	8
—22	16	—0.69126	9	0.23042	8	19	57	—0.13475	10	0.11820	8
—21	17	—0.71393	9	0.22310	8	20	58	—0.13593	10	0.11718	8
—20	18	—0.73590	9	0.21644	8	21	59	—0.13709	10	0.11618	8
—19	19	—0.75724	9	0.21034	8	22	60	—0.13825	10	0.11521	8
—18	20	—0.77799	9	0.20473	8	23	61	—0.13940	10	0.11426	8
—17	21	—0.79820	9	0.19955	8	24	62	—0.14054	10	0.11334	8
—16	22	—0.81791	9	0.19474	8	25	63	—0.14167	10	0.11243	8
—15	23	—0.83716	9	0.19026	8	26	64	—0.14279	10	0.11155	8
—14	24	—0.85597	9	0.18608	8	27	65	—0.14390	10	0.11069	8
—13	25	—0.87438	9	0.18216	8	28	66	—0.14500	10	0.10985	8
—12	26	—0.89241	9	0.17848	8	29	67	—0.14609	10	0.10904	8
—11	27	—0.91008	9	0.17502	8	30	68	—0.14718	10	0.10826	8
—10	28	—0.92742	9	0.17174	8	31	69	—0.14826	10	0.10753	8
—9	29	—0.94444	9	0.16865	8	32	70	—0.14933	10	0.10693	8
—8	30	—0.96116	9	0.16572	8	33	71	—0.15040	10	0.10662	8
—7	31	—0.97759	9	0.16293	8	34	72	—0.15147	10	0.10708	8
—6	32	—0.99375	9	0.16028	8	35	73	—0.15255	10	0.10961	8
—5	33	—0.10096	10	0.15776	8	36	74	—0.15368	10	0.11767	8
—4	34	—0.10253	10	0.15535	8	37	75	—0.15495	10	0.14061	8
—3	35	—0.10407	10	0.15305	8	38	76	—0.15662	10	0.20340	8
—2	36	—0.10559	10	0.15085	8	39	77	—0.15936	10	0.37165	8
—1	37	—0.10709	10	0.14874	8	40	78	—0.16493	10	0.81017	8
0	38	—0.10857	10	0.14671	8						

Table 3

$u_B = -37$ $\gamma = 8.53 \cdot 10^{-17}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—3	0.43418	9	—0.25758	9	1	38	—0.65849	9	0.88985	7
—39	—2	0.22680	9	—0.16507	9	2	39	—0.66733	9	0.87806	7
—38	—1	0.91748	8	—0.10974	9	3	40	—0.67605	9	0.86673	7
—37	0	0				4	41	—0.68466	9	0.85583	7
—36	1	—0.65660	8	0.56411	8	5	42	—0.69317	9	0.84533	7
—35	2	—0.11535	9	0.43924	8	6	43	—0.70157	9	0.83521	7
—34	3	—0.15499	9	0.35924	8	7	44	—0.71808	9	0.81600	7
—33	4	—0.18807	9	0.30585	8	8	45	—0.72620	9	0.80689	7
—32	5	—0.21669	9	0.26859	8	9	46	—0.73422	9	0.79807	7
—31	6	—0.24213	9	0.24141	8	10	47	—0.74216	9	0.78953	7
—30	7	—0.26519	9	0.22076	8	11	48	—0.75001	9	0.78126	7
—29	8	—0.28642	9	0.20451	8	12	49	—0.75778	9	0.77325	7
—28	9	—0.30619	9	0.19134	8	13	50	—0.76548	9	0.76548	7
—27	10	—0.32477	9	0.18042	8	14	51	—0.77310	9	0.75794	7
—26	11	—0.34233	9	0.17116	8	15	52	—0.78064	9	0.75061	7
—25	12	—0.35904	9	0.16320	8	16	53	—0.78811	9	0.74350	7
—24	13	—0.37501	9	0.15625	8	17	54	—0.79551	9	0.73658	7
—23	14	—0.39032	9	0.15012	8	18	55	—0.80284	9	0.72986	7
—22	15	—0.40505	9	0.14466	8	19	56	—0.81011	9	0.72331	7
—21	16	—0.41927	9	0.13976	8	20	57	—0.81731	9	0.71694	7
—20	17	—0.43302	9	0.13532	8	21	58	—0.82445	9	0.71073	7
—19	18	—0.44635	9	0.13128	8	22	59	—0.83152	9	0.70468	7
—18	19	—0.45929	9	0.12758	8	23	60	—0.83854	9	0.69878	7
—17	20	—0.47187	9	0.12418	8	24	61	—0.84550	9	0.69303	7
—16	21	—0.48413	9	0.12103	8	25	62	—0.85240	9	0.68742	7
—15	22	—0.49609	9	0.11812	8	26	63	—0.85925	9	0.68195	7
—14	23	—0.50776	9	0.11540	8	27	64	—0.86604	9	0.67662	7
—13	24	—0.51917	9	0.11286	8	28	65	—0.87278	9	0.67145	7
—12	25	—0.53034	9	0.11049	8	29	66	—0.87947	9	0.66649	7
—11	26	—0.54127	9	0.10825	8	30	67	—0.88611	9	0.66187	7
—10	27	—0.55199	9	0.10615	8	31	68	—0.89271	9	0.65801	7
—9	28	—0.56251	9	0.10417	8	32	69	—0.89928	9	0.65598	7
—8	29	—0.57283	9	0.10229	8	33	70	—0.90584	9	0.65871	7
—7	30	—0.58297	9	0.10051	8	34	71	—0.91249	9	0.67412	7
—6	31	—0.59294	9	0.98823	7	35	72	—0.91944	9	0.72355	7
—5	32	—0.60274	9	0.97216	7	36	73	—0.92726	9	0.86440	7
—4	33	—0.61238	9	0.95685	7	37	74	—0.93752	9	0.12500	8
—3	34	—0.62188	9	0.94224	7	38	75	—0.95435	9	0.22830	8
—2	35	—0.63123	9	0.92828	7	39	76	—0.98856	9	0.49725	8
—1	36	—0.64045	9	0.91492	7	40	77	—0.10667	10	0.11583	9
0	37	—0.64953	9	0.90212	7						

Table 4

$u_B = -36$ $\gamma = 2.32 \cdot 10^{-16}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—4	0.46242	9	—0.24985	9	1	37	—0.39396	9	0.54717	7
—39	—3	0.26334	9	—0.15623	9	2	38	—0.39939	9	0.53972	7
—38	—2	0.13756	9	—0.10012	9	3	39	—0.40476	9	0.53257	7
—37	—1	0.55648	8	—0.66561	8	4	40	—0.41005	9	0.52570	7
—36	0	0				5	41	—0.41527	9	0.51909	7
—35	1	—0.39825	8	0.34215	8	6	42	—0.42043	9	0.51272	7
—34	2	—0.69962	8	0.26641	8	7	43	—0.42553	9	0.50658	7
—33	3	—0.94006	8	0.21789	8	8	44	—0.43554	9	0.49493	7
—32	4	—0.11407	9	0.18551	8	9	45	—0.44046	9	0.48940	7
—31	5	—0.13143	9	0.16291	8	10	46	—0.44533	9	0.48405	7
—30	6	—0.14686	9	0.14642	8	11	47	—0.45014	9	0.47887	7
—29	7	—0.16085	9	0.13390	8	12	48	—0.45491	9	0.47386	7
—28	8	—0.17372	9	0.12404	8	13	49	—0.45962	9	0.46900	7
—27	9	—0.18572	9	0.11606	8	14	50	—0.46429	9	0.46429	7
—26	10	—0.19698	9	0.10943	8	15	51	—0.46891	9	0.45971	7
—25	11	—0.20764	9	0.10382	8	16	52	—0.47348	9	0.45527	7
—24	12	—0.21777	9	0.98985	7	17	53	—0.47801	9	0.45095	7
—23	13	—0.22745	9	0.94772	7	18	54	—0.48250	9	0.44676	7
—22	14	—0.23674	9	0.91054	7	19	55	—0.48695	9	0.44268	7
—21	15	—0.24568	9	0.87742	7	20	56	—0.49135	9	0.43871	7
—20	16	—0.25430	9	0.84767	7	21	57	—0.49572	9	0.43484	7
—19	17	—0.26264	9	0.82075	7	22	58	—0.50005	9	0.43108	7
—18	18	—0.27072	9	0.79624	7	23	59	—0.50434	9	0.42741	7
—17	19	—0.27857	9	0.77381	7	24	60	—0.50860	9	0.42384	7
—16	20	—0.28621	9	0.75317	7	25	61	—0.51282	9	0.42035	7
—15	21	—0.29364	9	0.73410	7	26	62	—0.51701	9	0.41696	7
—14	22	—0.30089	9	0.71641	7	27	63	—0.52116	9	0.41367	7
—13	23	—0.30797	9	0.69994	7	28	64	—0.52528	9	0.41051	7
—12	24	—0.31489	9	0.68455	7	29	65	—0.52937	9	0.40757	7
—11	25	—0.32167	9	0.67014	7	30	66	—0.53343	9	0.40510	7
—10	26	—0.32830	9	0.65660	7	31	67	—0.53748	9	0.40376	7
—9	27	—0.33480	9	0.64385	7	32	68	—0.54152	9	0.40536	7
—8	28	—0.34118	9	0.63181	7	33	69	—0.54561	9	0.41475	7
—7	29	—0.34744	9	0.62043	7	34	70	—0.54988	9	0.44507	7
—6	30	—0.35359	9	0.60964	7	35	71	—0.55469	9	0.53158	7
—5	31	—0.35963	9	0.59939	7	36	72	—0.56100	9	0.76849	7
—4	32	—0.36558	9	0.58964	7	37	73	—0.57135	9	0.14029	8
—3	33	—0.37143	9	0.58036	7	38	74	—0.59236	9	0.30528	8
—2	34	—0.37719	9	0.57150	7	39	75	—0.64026	9	0.70990	8
—1	35	—0.38286	9	0.56303	7	40	76	—0.75036	9	0.15972	9
0	36	—0.38845	9	0.55493	7						

Table 5

$u_B = -35$ $\gamma = 6.30 \cdot 10^{-16}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—5	0.47526	9	—0.24597	9	1	36	—0.23561	9	0.33658	7
—39	—4	0.28047	9	—0.15154	9	2	37	—0.23895	9	0.33187	7
—38	—3	0.15972	9	—0.94757	8	3	38	—0.24224	9	0.32736	7
—37	—2	0.83433	8	—0.60726	8	4	39	—0.24550	9	0.32302	7
—36	—1	0.33752	8	—0.40371	8	5	40	—0.24871	9	0.31885	7
—35	0	0	8			6	41	—0.25187	9	0.31484	7
—34	1	—0.24155	8	0.20753	8	7	42	—0.25500	9	0.31098	7
—33	2	—0.42434	8	0.16159	8	8	43	—0.25809	9	0.30725	7
—32	3	—0.57017	8	0.13216	8	9	44	—0.26417	9	0.30019	7
—31	4	—0.69189	8	0.11252	8	10	45	—0.26715	9	0.29684	7
—30	5	—0.79717	8	0.98808	7	11	46	—0.27010	9	0.29359	7
—29	6	—0.89073	8	0.88808	7	12	47	—0.27302	9	0.29045	7
—28	7	—0.97558	8	0.81212	7	13	48	—0.27591	9	0.28741	7
—27	8	—0.10537	9	0.75235	7	14	49	—0.27877	9	0.28446	7
—26	9	—0.11264	9	0.70392	7	15	50	—0.28160	9	0.28160	7
—25	10	—0.11947	9	0.66371	7	16	51	—0.28441	9	0.27883	7
—24	11	—0.12594	9	0.62967	7	17	52	—0.28718	9	0.27614	7
—23	12	—0.13208	9	0.60038	7	18	53	—0.28993	9	0.27352	7
—22	13	—0.13796	9	0.57482	7	19	54	—0.29265	9	0.27097	7
—21	14	—0.14359	9	0.55227	7	20	55	—0.29535	9	0.26850	7
—20	15	—0.14901	9	0.53218	7	21	56	—0.29802	9	0.26609	7
—19	16	—0.15424	9	0.51414	7	22	57	—0.30067	9	0.26375	7
—18	17	—0.15930	9	0.49781	7	23	58	—0.30330	9	0.26146	7
—17	18	—0.16420	9	0.48295	7	24	59	—0.30590	9	0.25924	7
—16	19	—0.16896	9	0.46934	7	25	60	—0.30848	9	0.25708	7
—15	20	—0.17359	9	0.45682	7	26	61	—0.31104	9	0.25498	7
—14	21	—0.17810	9	0.44525	7	27	62	—0.31358	9	0.25297	7
—13	22	—0.18250	9	0.43452	7	28	63	—0.31610	9	0.25110	7
—12	23	—0.18679	9	0.42453	7	29	64	—0.31860	9	0.24952	7
—11	24	—0.19099	9	0.41520	7	30	65	—0.32109	9	0.24863	7
—10	25	—0.19510	9	0.40646	7	31	66	—0.32358	9	0.24956	7
—9	26	—0.19912	9	0.39825	7	32	67	—0.32610	9	0.25529	7
—8	27	—0.20307	9	0.39051	7	33	68	—0.32873	9	0.27388	7
—7	28	—0.20694	9	0.38321	7	34	69	—0.33169	9	0.32703	7
—6	29	—0.21073	9	0.37631	7	35	70	—0.33557	9	0.47263	7
—5	30	—0.21446	9	0.36976	7	36	71	—0.34193	9	0.86234	7
—4	31	—0.21813	9	0.36355	7	37	72	—0.35484	9	0.18748	8
—3	32	—0.22174	9	0.35764	7	38	73	—0.38423	9	0.43518	8
—2	33	—0.22528	9	0.35200	7	39	74	—0.45162	9	0.97626	8
—1	34	—0.22878	9	0.34663	7	40	75	—0.59526	9	0.19905	9
0	35	—0.23222	9	0.34149	7						

Table 6

$u_B = -34$ $\gamma = 1.71 \cdot 10^{-15}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—6	0.48094	9	—0.24411	9	1	35	—0.14085	9	0.20713	7
—39	—5	0.28826	9	—0.14919	9	2	36	—0.14290	9	0.20415	7
—38	—4	0.17011	9	—0.91916	8	3	37	—0.14493	9	0.20129	7
—37	—3	0.96878	8	—0.57473	8	4	38	—0.14693	9	0.19855	7
—36	—2	0.50605	8	—0.36832	8	5	39	—0.14890	9	0.19592	7
—35	—1	0.20472	8	—0.24486	8	6	40	—0.15085	9	0.19339	7
—34	0	0				7	41	—0.15277	9	0.19096	7
—33	1	—0.14651	8	0.12587	8	8	42	—0.15467	9	0.18862	7
—32	2	—0.25738	8	0.98008	7	9	43	—0.15654	9	0.18636	7
—31	3	—0.34583	8	0.80157	7	10	44	—0.16023	9	0.18207	7
—30	4	—0.41965	8	0.68244	7	11	45	—0.16204	9	0.18004	7
—29	5	—0.48351	8	0.59930	7	12	46	—0.16383	9	0.17807	7
—28	6	—0.54026	8	0.53865	7	13	47	—0.16560	9	0.17617	7
—27	7	—0.59172	8	0.49257	7	14	48	—0.16735	9	0.17432	7
—26	8	—0.63910	8	0.45632	7	15	49	—0.16908	9	0.17254	7
—25	9	—0.68321	8	0.42695	7	16	50	—0.17080	9	0.17080	7
—24	10	—0.72465	8	0.40256	7	17	51	—0.17250	9	0.16912	7
—23	11	—0.76385	8	0.38192	7	18	52	—0.17418	9	0.16748	7
—22	12	—0.80113	8	0.36415	7	19	53	—0.17585	9	0.16590	7
—21	13	—0.83675	8	0.34865	7	20	54	—0.17750	9	0.16435	7
—20	14	—0.87092	8	0.33497	7	21	55	—0.17914	9	0.16285	7
—19	15	—0.90380	8	0.32278	7	22	56	—0.18076	9	0.16139	7
—18	16	—0.93552	8	0.31184	7	23	57	—0.18237	9	0.15997	7
—17	17	—0.96620	8	0.30194	7	24	58	—0.18396	9	0.15859	7
—16	18	—0.99593	8	0.29292	7	25	59	—0.18554	9	0.15725	7
—15	19	—0.10248	9	0.28467	7	26	60	—0.18710	9	0.15597	7
—14	20	—0.10529	9	0.27708	7	27	61	—0.18866	9	0.15478	7
—13	21	—0.10802	9	0.27006	7	28	62	—0.19020	9	0.15376	7
—12	22	—0.11069	9	0.26355	7	29	63	—0.19173	9	0.15318	7
—11	23	—0.11330	9	0.25749	7	30	64	—0.19327	9	0.15371	7
—10	24	—0.11584	9	0.25183	7	31	65	—0.19482	9	0.15720	7
—9	25	—0.11833	9	0.24653	7	32	66	—0.19644	9	0.16861	7
—8	26	—0.12077	9	0.24155	7	33	67	—0.19826	9	0.20128	7
—7	27	—0.12317	9	0.23686	7	34	68	—0.20065	9	0.29079	7
—6	28	—0.12551	9	0.23243	7	35	69	—0.20456	9	0.53028	7
—5	29	—0.12782	9	0.22824	7	36	70	—0.21249	9	0.11517	8
—4	30	—0.13008	9	0.22427	7	37	71	—0.23053	9	0.26683	8
—3	31	—0.13230	9	0.22050	7	38	72	—0.27178	9	0.59679	8
—2	32	—0.13449	9	0.21692	7	39	73	—0.35942	9	0.12127	9
—1	33	—0.13664	9	0.21350	7	40	74	—0.52779	9	0.22354	9
0	34	—0.13876	9	0.21024	7						

Table 7

$u_B = -33$ $\gamma = 4.66 \cdot 10^{-15}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—7	0.48339	9	—0.24325	9	1	34	—0.84162	8	0.12752	7
—39	—6	0.29170	9	—0.14806	9	2	35	—0.85428	8	0.12563	7
—38	—5	0.17484	9	—0.90488	8	3	36	—0.86675	8	0.12382	7
—37	—4	0.10318	9	—0.55750	8	4	37	—0.87904	8	0.12209	7
—36	—3	0.58759	8	—0.34859	8	5	38	—0.89117	8	0.12043	7
—35	—2	0.30693	8	—0.22340	8	6	39	—0.90313	8	0.11883	7
—34	—1	0.12417	8	—0.14852	8	7	40	—0.91494	8	0.11730	7
—33	0	0				8	41	—0.92659	8	0.11582	7
—32	1	—0.88861	7	0.76344	7	9	42	—0.93810	8	0.11440	7
—31	2	—0.15611	8	0.59445	7	10	43	—0.94948	8	0.11303	7
—30	3	—0.20976	8	0.48618	7	11	44	—0.97182	8	0.11043	7
—29	4	—0.25453	8	0.41392	7	12	45	—0.98280	8	0.10920	7
—28	5	—0.29326	8	0.36349	7	13	46	—0.99366	8	0.10801	7
—27	6	—0.32768	8	0.32671	7	14	47	—0.10044	9	0.10685	7
—26	7	—0.35890	8	0.29876	7	15	48	—0.10150	9	0.10573	7
—25	8	—0.38763	8	0.27677	7	16	49	—0.10256	9	0.10465	7
—24	9	—0.41439	8	0.25896	7	17	50	—0.10360	9	0.10360	7
—23	10	—0.43952	8	0.24417	7	18	51	—0.10463	9	0.10258	7
—22	11	—0.46330	8	0.23164	7	19	52	—0.10565	9	0.10158	7
—21	12	—0.48591	8	0.22087	7	20	53	—0.10666	9	0.10062	7
—20	13	—0.50752	8	0.21146	7	21	54	—0.10766	9	0.99686	6
—19	14	—0.52824	8	0.20317	7	22	55	—0.10865	9	0.98777	6
—18	15	—0.54818	8	0.19578	7	23	56	—0.10964	9	0.97894	6
—17	16	—0.56742	8	0.18914	7	24	57	—0.11061	9	0.97039	6
—16	17	—0.58603	8	0.18313	7	25	58	—0.11158	9	0.96219	6
—15	18	—0.60406	8	0.17767	7	26	59	—0.11254	9	0.95454	6
—14	19	—0.62158	8	0.17266	7	27	60	—0.11349	9	0.94802	6
—13	20	—0.63861	8	0.16806	7	28	61	—0.11443	9	0.94418	6
—12	21	—0.65520	8	0.16380	7	29	62	—0.11538	9	0.94722	6
—11	22	—0.67138	8	0.15985	7	30	63	—0.11633	9	0.96847	6
—10	23	—0.68718	8	0.15618	7	31	64	—0.11733	9	0.10385	7
—9	24	—0.70262	8	0.15274	7	32	65	—0.11845	9	0.12394	7
—8	25	—0.71774	8	0.14953	7	33	66	—0.11992	9	0.17899	7
—7	26	—0.73254	8	0.14651	7	34	67	—0.12233	9	0.32621	7
—6	27	—0.74704	8	0.14366	7	35	68	—0.12721	9	0.70776	7
—5	28	—0.76127	8	0.14098	7	36	69	—0.13828	9	0.16365	8
—4	29	—0.77524	8	0.13844	7	37	70	—0.16354	9	0.36487	8
—3	30	—0.78897	8	0.13603	7	38	71	—0.21702	9	0.73890	8
—2	31	—0.80245	8	0.13374	7	39	72	—0.31945	9	0.13587	9
—1	32	—0.81572	8	0.13157	7	40	73	—0.50105	9	0.23510	9
0	33	—0.82877	8	0.12950	7						

Table 8

$u_B = -32$ $\gamma = 1.27 \cdot 10^{-14}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—8	0.48443	9	—0.24287	9	1	33	—0.50267	8	0.78543	6
—39	—7	0.29319	9	—0.14754	9	2	34	—0.51047	8	0.77344	6
—38	—6	0.17693	9	—0.89802	8	3	35	—0.51814	8	0.76198	6
—37	—5	0.10604	9	—0.54884	8	4	36	—0.52571	8	0.75101	6
—36	—4	0.62581	8	—0.33814	8	5	37	—0.53317	8	0.74051	6
—35	—3	0.35639	8	—0.21143	8	6	38	—0.54052	8	0.73043	6
—34	—2	0.18616	8	—0.13550	8	7	39	—0.54778	8	0.72076	6
—33	—1	0.75311	7	—0.90080	7	8	40	—0.55494	8	0.71146	6
—32	0	0				9	41	—0.56201	8	0.70251	6
—31	1	—0.53897	7	0.46305	7	10	42	—0.56899	8	0.69389	6
—30	2	—0.94683	7	0.36055	7	11	43	—0.57589	8	0.68558	6
—29	3	—0.12722	8	0.29488	7	12	44	—0.58944	8	0.66982	6
—28	4	—0.15438	8	0.25106	7	13	45	—0.59610	8	0.66233	6
—27	5	—0.17787	8	0.22047	7	14	46	—0.60269	8	0.65509	6
—26	6	—0.19875	8	0.19816	7	15	47	—0.60920	8	0.64809	6
—25	7	—0.21768	8	0.18121	7	16	48	—0.61565	8	0.64130	6
—24	8	—0.23511	8	0.16787	7	17	49	—0.62203	8	0.63472	6
—23	9	—0.25134	8	0.15707	7	18	50	—0.62834	8	0.62834	6
—22	10	—0.26658	8	0.14809	7	19	51	—0.63460	8	0.62215	6
—21	11	—0.28100	8	0.14050	7	20	52	—0.64079	8	0.61614	6
—20	12	—0.29472	8	0.13396	7	21	53	—0.64692	8	0.61031	6
—19	13	—0.30782	8	0.12826	7	22	54	—0.65299	8	0.60465	6
—18	14	—0.32039	8	0.12323	7	23	55	—0.65901	8	0.59917	6
—17	15	—0.33249	8	0.11875	7	24	56	—0.66498	8	0.59393	6
—16	16	—0.34416	8	0.11472	7	25	57	—0.67089	8	0.58903	6
—15	17	—0.35544	8	0.11108	7	26	58	—0.67676	8	0.58484	6
—14	18	—0.36638	8	0.10776	7	27	59	—0.68259	8	0.58230	6
—13	19	—0.37701	8	0.10472	7	28	60	—0.68842	8	0.58401	6
—12	20	—0.38734	8	0.10193	7	29	61	—0.69431	8	0.59695	6
—11	21	—0.39740	8	0.99350	6	30	62	—0.70046	8	0.63994	6
—10	22	—0.40721	8	0.96955	6	31	63	—0.70737	8	0.76348	6
—9	23	—0.41680	8	0.94726	6	32	64	—0.71642	8	0.11022	7
—8	24	—0.42616	8	0.92644	6	33	65	—0.73125	8	0.20076	7
—7	25	—0.43533	8	0.90693	6	34	66	—0.76125	8	0.43509	7
—6	26	—0.44431	8	0.88861	6	35	67	—0.82925	8	0.10039	8
—5	27	—0.45310	8	0.87135	6	36	68	—0.98391	8	0.22310	8
—4	28	—0.46174	8	0.85507	6	37	69	—0.13103	9	0.45022	8
—3	29	—0.47021	8	0.83966	6	38	70	—0.19335	9	0.82584	8
—2	30	—0.47853	8	0.82505	6	39	71	—0.30364	9	0.14272	9
—1	31	—0.48671	8	0.81119	6	40	72	—0.49099	9	0.23979	9
0	32	—0.49476	8	0.79800	6						

Table 9

$u_B = -31$ $\gamma = 3.44 \cdot 10^{-14}$

u_S	Y	$F(Y,\gamma)$		dF/dY		u_S	Y	$F(Y,\gamma)$		dF/dY	
—40	—9	0.48487	9	—0.24270	9	1	32	—0.30009	8	0.48401	6
—39	—8	0.29382	9	—0.14731	9	2	33	—0.30489	8	0.47639	6
—38	—7	0.17783	9	—0.89487	8	3	34	—0.30961	8	0.46911	6
—37	—6	0.10731	9	—0.54468	8	4	35	—0.31427	8	0.46216	6
—36	—5	0.64319	8	—0.33289	8	5	36	—0.31886	8	0.45551	6
—35	—4	0.37957	8	—0.20509	8	6	37	—0.32338	8	0.44914	6
—34	—3	0.21616	8	—0.12824	8	7	38	—0.32784	8	0.44303	6
—33	—2	0.11291	8	—0.82184	7	8	39	—0.33224	8	0.43716	6
—32	—1	0.45679	7	—0.54636	7	9	40	—0.33659	8	0.43152	6
—31	0	0				10	41	—0.34087	8	0.42609	6
—30	1	—0.32690	7	0.28085	7	11	42	—0.34511	8	0.42086	6
—29	2	—0.57428	7	0.21869	7	12	43	—0.34929	8	0.41582	6
—28	3	—0.77165	7	0.17885	7	13	44	—0.35751	8	0.40626	6
—27	4	—0.93637	7	0.15227	7	14	45	—0.36155	8	0.40172	6
—26	5	—0.10788	8	0.13372	7	15	46	—0.36555	8	0.39733	6
—25	6	—0.12055	8	0.12019	7	16	47	—0.36950	8	0.39308	6
—24	7	—0.13203	8	0.10991	7	17	48	—0.37341	8	0.38897	6
—23	8	—0.14260	8	0.10182	7	18	49	—0.37728	8	0.38498	6
—22	9	—0.15244	8	0.95265	6	19	50	—0.38111	8	0.38111	6
—21	10	—0.16169	8	0.89824	6	20	51	—0.38490	8	0.37736	6
—20	11	—0.17044	8	0.85217	6	21	52	—0.38866	8	0.37373	6
—19	12	—0.17876	8	0.81252	6	22	53	—0.39238	8	0.37021	6
—18	13	—0.18670	8	0.77793	6	23	54	—0.39606	8	0.36684	6
—17	14	—0.19433	8	0.74742	6	24	55	—0.39971	8	0.36370	6
—16	15	—0.20166	8	0.72023	6	25	56	—0.40334	8	0.36100	6
—15	16	—0.20874	8	0.69581	6	26	57	—0.40694	8	0.35933	6
—14	17	—0.21559	8	0.67371	6	27	58	—0.41053	8	0.36028	6
—13	18	—0.22222	8	0.65360	6	28	59	—0.41417	8	0.36815	6
—12	19	—0.22867	8	0.63518	6	29	60	—0.41795	8	0.39454	6
—11	20	—0.23493	8	0.61824	6	30	61	—0.42222	8	0.47056	6
—10	21	—0.24103	8	0.60259	6	31	62	—0.42779	8	0.67904	6
—9	22	—0.24699	8	0.58806	6	32	63	—0.43693	8	0.12360	7
—8	23	—0.25280	8	0.57454	6	33	64	—0.45539	8	0.26757	7
—7	24	—0.25848	8	0.56191	6	34	65	—0.49716	8	0.61601	7
—6	25	—0.26404	8	0.55008	6	35	66	—0.59188	8	0.13643	8
—5	26	—0.26948	8	0.53897	6	36	67	—0.79104	8	0.27434	8
—4	27	—0.27482	8	0.52850	6	37	68	—0.11702	9	0.50196	8
—3	28	—0.28006	8	0.51862	6	38	69	—0.18401	9	0.86638	8
—2	29	—0.28520	8	0.50928	6	39	70	—0.29770	9	0.14548	9
—1	30	—0.29024	8	0.50042	6	40	71	—0.48729	9	0.24156	9
0	31	—0.29521	8	0.49201	6						

Table 10

$u_B = -30$ $\gamma = 9.36 \cdot 10^{-14}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—10	0.48504	9	—0.24263	9	1	31	—0.17905	8	0.29842	6
—39	—9	0.29409	9	—0.14721	9	2	32	—0.18201	8	0.29357	6
—38	—8	0.17821	9	—0.89346	8	3	33	—0.18492	8	0.28894	6
—37	—7	0.10786	9	—0.54276	8	4	34	—0.18779	8	0.28453	6
—36	—6	0.65088	8	—0.33036	8	5	35	—0.19061	8	0.28032	6
—35	—5	0.39011	8	—0.20191	8	6	36	—0.19340	8	0.27628	6
—34	—4	0.23022	8	—0.12440	8	7	37	—0.19614	8	0.27242	6
—33	—3	0.13111	8	—0.77781	7	8	38	—0.19885	8	0.26871	6
—32	—2	0.68486	7	—0.49847	7	9	39	—0.20152	8	0.26515	6
—31	—1	0.27705	7	—0.33139	7	10	40	—0.20415	8	0.26173	6
—30	0	0				11	41	—0.20675	8	0.25844	6
—29	1	—0.19828	7	0.17035	7	12	42	—0.20932	8	0.25527	6
—28	2	—0.34832	7	0.13264	7	13	43	—0.21186	8	0.25221	6
—27	3	—0.46803	7	0.10848	7	14	44	—0.21684	8	0.24641	6
—26	4	—0.56794	7	0.92358	6	15	45	—0.21929	8	0.24366	6
—25	5	—0.65435	7	0.81106	6	16	46	—0.22172	8	0.24100	6
—24	6	—0.73116	7	0.72898	6	17	47	—0.22411	8	0.23842	6
—23	7	—0.80080	7	0.66663	6	18	48	—0.22648	8	0.23592	6
—22	8	—0.86492	7	0.61756	6	19	49	—0.22883	8	0.23351	6
—21	9	—0.92462	7	0.57781	6	20	50	—0.23115	8	0.23116	6
—20	10	—0.98071	7	0.54481	6	21	51	—0.23345	8	0.22890	6
—19	11	—0.10338	8	0.51687	6	22	52	—0.23573	8	0.22674	6
—18	12	—0.10842	8	0.49282	6	23	53	—0.23799	8	0.22472	6
—17	13	—0.11324	8	0.47184	6	24	54	—0.24023	8	0.22297	6
—16	14	—0.11787	8	0.45333	6	25	55	—0.24245	8	0.22187	6
—15	15	—0.12232	8	0.43684	6	26	56	—0.24467	8	0.22238	6
—14	16	—0.12661	8	0.42203	6	27	57	—0.24691	8	0.22718	6
—13	17	—0.13076	8	0.40863	6	28	58	—0.24925	8	0.24338	6
—12	18	—0.13479	8	0.39643	6	26	59	—0.25188	8	0.29017	6
—11	19	—0.13869	8	0.38526	6	30	60	—0.25532	8	0.41855	6
—10	20	—0.14249	8	0.37498	6	31	61	—0.26095	8	0.76137	6
—9	21	—0.14619	8	0.36549	6	32	62	—0.27231	8	0.16461	7
—8	22	—0.14981	8	0.35668	6	33	63	—0.29798	8	0.37810	7
—7	23	—0.15333	8	0.34848	6	34	64	—0.35601	8	0.83447	7
—6	24	—0.15678	8	0.34082	6	35	65	—0.47756	8	0.16717	8
—5	25	—0.16015	8	0.33364	6	36	66	—0.70828	8	0.30510	8
—4	26	—0.16345	8	0.32690	6	37	67	—0.11151	9	0.52594	8
—3	27	—0.16669	8	0.32055	6	38	68	—0.18051	9	0.88270	8
—2	28	—0.16986	8	0.31456	6	39	69	—0.29552	9	0.14653	9
—1	29	—0.17298	8	0.30889	6	40	70	—0.48594	9	0.24221	9
0	30	—0.17604	8	0.30352	6						

Table 11

$u_B = -29$ $\gamma = 2.54 \cdot 10^{-13}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—11	0.48512	9	—0.24260	9	1	30	—0.10677	8	0.18409	6
—39	—10	0.29419	9	—0.14716	9	2	31	—0.10860	8	0.18100	6
—38	—9	0.17837	9	—0.89285	8	3	32	—0.11040	8	0.17806	6
—37	—8	0.10809	9	—0.54191	8	4	33	—0.11216	8	0.17525	6
—36	—7	0.65420	8	—0.32920	8	5	34	—0.11390	8	0.17258	6
—35	—6	0.39478	8	—0.20038	8	6	35	—0.11561	8	0.17002	6
—34	—5	0.23662	8	—0.12246	8	7	36	—0.11730	8	0.16757	6
—33	—4	0.13964	8	—0.75450	7	8	37	—0.11897	8	0.16523	6
—32	—3	0.79522	7	—0.47177	7	9	38	—0.12061	8	0.16298	6
—31	—2	0.41539	7	—0.30234	7	10	39	—0.12223	8	0.16082	6
—30	—1	0.16804	7	—0.20100	7	11	40	—0.12382	8	0.15875	6
—29	0	0				12	41	—0.12540	8	0.15675	6
—28	1	—0.12026	7	0.10332	7	13	42	—0.12696	8	0.15483	6
—27	2	—0.21127	7	0.80450	6	14	43	—0.12850	8	0.15297	6
—26	3	—0.28387	7	0.65797	6	15	44	—0.13152	8	0.14946	6
—25	4	—0.34447	7	0.56018	6	16	45	—0.13301	8	0.14779	6
—24	5	—0.39689	7	0.49194	6	17	46	—0.13448	8	0.14617	6
—23	6	—0.44347	7	0.44215	6	18	47	—0.13593	8	0.14461	6
—22	7	—0.48571	7	0.40433	6	19	48	—0.13737	8	0.14310	6
—21	8	—0.52460	7	0.37457	6	20	49	—0.13879	8	0.14164	6
—20	9	—0.56081	7	0.35046	6	21	50	—0.14020	8	0.14025	6
—19	10	—0.59483	7	0.33044	6	22	51	—0.14160	8	0.13895	6
—18	11	—0.62700	7	0.31350	6	23	52	—0.14298	8	0.13782	6
—17	12	—0.65761	7	0.29891	6	24	53	—0.14436	8	0.13709	6
—16	13	—0.68685	7	0.28619	6	25	54	—0.14573	8	0.13736	6
—15	14	—0.71489	7	0.27486	6	26	55	—0.14711	8	0.14027	6
—14	15	—0.74188	7	0.26496	6	27	56	—0.14856	8	0.15023	6
—13	16	—0.76792	7	0.25597	6	28	57	—0.15018	8	0.17904	6
—12	17	—0.79310	7	0.24784	6	29	58	—0.15230	8	0.25813	6
—11	18	—0.81751	7	0.24044	6	30	59	—0.15577	8	0.46922	6
—10	19	—0.84121	7	0.23367	6	31	60	—0.16277	8	0.10131	7
—9	20	—0.86426	7	0.22744	6	32	61	—0.17854	8	0.23214	7
—8	21	—0.88672	7	0.22168	6	33	62	—0.21410	8	0.51045	7
—7	22	—0.90861	7	0.21634	6	34	63	—0.28829	8	0.10187	8
—6	23	—0.93000	7	0.21136	6	35	64	—0.42867	8	0.18545	8
—5	24	—0.95090	7	0.20672	6	36	65	—0.67578	8	0.31927	8
—4	25	—0.97135	7	0.20236	6	37	66	—0.10945	9	0.53556	8
—3	26	—0.99138	7	0.19828	6	38	67	—0.17922	9	0.88885	8
—2	27	—0.10110	8	0.19443	6	39	68	—0.29472	9	0.14691	9
—1	28	—0.10303	8	0.19079	6	40	69	—0.48544	9	0.24245	9
0	29	—0.10492	8	0.18735	6						

Table 12

$u_B = -28$ $\gamma = 6.91 \cdot 10^{-13}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—12	0.48515	9	—0.24259	9	1	29	—0.63636	7	0.11364	6
—39	—11	0.29424	9	—0.14715	9	2	30	—0.64762	7	0.11166	6
—38	—10	0.17844	9	—0.89259	8	3	31	—0.65869	7	0.10978	6
—37	—9	0.10819	9	—0.54154	8	4	32	—0.66958	7	0.10800	6
—36	—8	0.65561	8	—0.32869	8	5	33	—0.68030	7	0.10630	6
—35	—7	0.39679	8	—0.19967	8	6	34	—0.69084	7	0.10467	6
—34	—6	0.23944	8	—0.12153	8	7	35	—0.70123	7	0.10312	6
—33	—5	0.14352	8	—0.74277	7	8	36	—0.71147	7	0.10164	6
—32	—4	0.84695	7	—0.45763	7	9	37	—0.72156	7	0.10022	6
—31	—3	0.48233	7	—0.28614	7	10	38	—0.73152	7	0.98853	5
—30	—2	0.25195	7	—0.18338	7	11	39	—0.74134	7	0.97544	5
—29	—1	0.10192	7	—0.12191	7	12	40	—0.75103	7	0.96285	5
—28	0	0				13	41	—0.76059	7	0.95074	5
—27	1	—0.72942	6	0.62667	6	14	42	—0.77004	7	0.93908	5
—26	2	—0.12814	7	0.48795	6	15	43	—0.77938	7	0.92783	5
—25	3	—0.17218	7	0.39908	6	16	44	—0.79772	7	0.90650	5
—24	4	—0.20893	7	0.33977	6	17	45	—0.80673	7	0.89638	5
—23	5	—0.24072	7	0.29837	6	18	46	—0.81565	7	0.88661	5
—22	6	—0.26898	7	0.26818	6	19	47	—0.82447	7	0.87720	5
—21	7	—0.29460	7	0.24524	6	20	48	—0.83319	7	0.86819	5
—20	8	—0.31819	7	0.22719	6	21	49	—0.84183	7	0.85978	5
—19	9	—0.34015	7	0.21256	6	22	50	—0.85039	7	0.85246	5
—18	10	—0.36078	7	0.20042	6	23	51	—0.85889	7	0.84761	5
—17	11	—0.38030	7	0.19015	6	24	52	—0.86736	7	0.84898	5
—16	12	—0.39886	7	0.18130	6	25	53	—0.87592	7	0.86667	5
—15	13	—0.41659	7	0.17358	6	26	54	—0.88484	7	0.92785	5
—14	14	—0.43361	7	0.16677	6	27	55	—0.89485	7	0.11054	6
—13	15	—0.44997	7	0.16070	6	28	56	—0.90795	7	0.15929	6
—12	16	—0.46577	7	0.15526	6	29	57	—0.92934	7	0.28932	6
—11	17	—0.48104	7	0.15033	6	30	58	—0.97247	7	0.62381	6
—10	18	—0.49585	7	0.14584	6	31	59	—0.10695	8	0.14257	7
—9	19	—0.51022	7	0.14173	6	32	60	—0.12874	8	0.31229	7
—8	20	—0.52420	7	0.13795	6	33	61	—0.17403	8	0.62084	7
—7	21	—0.53782	7	0.13446	6	34	62	—0.25945	8	0.11272	8
—6	22	—0.55110	7	0.13121	6	35	63	—0.40953	8	0.19382	8
—5	23	—0.56407	7	0.12820	6	36	64	—0.66361	8	0.32494	8
—4	24	—0.57675	7	0.12538	6	37	65	—0.10869	9	0.53918	8
—3	25	—0.58915	7	0.12274	6	38	66	—0.17875	9	0.89112	8
—2	26	—0.60130	7	0.12026	6	39	67	—0.29443	9	0.14705	9
—1	27	—0.61321	7	0.11793	6	40	68	—0.48527	9	0.24253	9
0	28	—0.62489	7	0.11572	6						

Table 13

$u_B = -27$ $\gamma = 1.88 \cdot 10^{-12}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—13	0.48516	9	—0.24259	9	1	28	—0.37902	7	0.70188	5
—39	—12	0.29426	9	—0.14714	9	2	29	—0.38597	7	0.68923	5
—38	—11	0.17846	9	—0.89249	8	3	30	—0.39280	7	0.67725	5
—37	—10	0.10823	9	—0.54139	8	4	31	—0.39952	7	0.66586	5
—36	—9	0.65619	8	—0.32846	8	5	32	—0.40612	7	0.65504	5
—35	—8	0.39765	8	—0.19936	8	6	33	—0.41262	7	0.64472	5
—34	—7	0.24067	8	—0.12111	8	7	34	—0.41902	7	0.63488	5
—33	—6	0.14523	8	—0.73714	7	8	35	—0.42532	7	0.62547	5
—32	—5	0.87046	7	—0.45051	7	9	36	—0.43153	7	0.61647	5
—31	—4	0.51370	7	—0.27756	7	10	37	—0.43765	7	0.60785	5
—30	—3	0.29255	7	—0.17355	7	11	38	—0.44369	7	0.59958	5
—29	—2	0.15281	7	—0.11122	7	12	39	—0.44964	7	0.59163	5
—28	—1	0.61819	6	—0.73942	6	13	40	—0.45552	7	0.58400	5
—27	0	0				14	41	—0.46132	7	0.57666	5
—26	1	—0.44241	6	0.38010	6	15	42	—0.46705	7	0.56958	5
—25	2	—0.77721	6	0.29596	6	16	43	—0.47272	7	0.56277	5
—24	3	—0.10443	7	0.24205	6	17	44	—0.48384	7	0.54984	5
—23	4	—0.12672	7	0.20608	6	18	45	—0.48931	7	0.54374	5
—22	5	—0.14601	7	0.18097	6	19	46	—0.49472	7	0.53791	5
—21	6	—0.16314	7	0.16266	6	20	47	—0.50007	7	0.53246	5
—20	7	—0.17868	7	0.14874	6	21	48	—0.50537	7	0.52770	5
—19	8	—0.19299	7	0.13780	6	22	49	—0.51063	7	0.52449	5
—18	9	—0.20631	7	0.12893	6	23	50	—0.51587	7	0.52513	5
—17	10	—0.21883	7	0.12156	6	24	51	—0.52116	7	0.53586	5
—16	11	—0.23066	7	0.11533	6	25	52	—0.52667	7	0.57346	5
—15	12	—0.24192	7	0.10996	6	26	53	—0.53286	7	0.68289	5
—14	13	—0.25268	7	0.10528	6	27	54	—0.54095	7	0.98354	5
—13	14	—0.26299	7	0.10115	6	28	55	—0.55416	7	0.17850	6
—12	15	—0.27292	7	0.97472	5	29	56	—0.58074	7	0.38428	6
—11	16	—0.28250	7	0.94167	5	30	57	—0.64042	7	0.87588	6
—10	17	—0.29177	7	0.91177	5	31	58	—0.77400	7	0.19109	7
—9	18	—0.30075	7	0.88455	5	32	59	—0.10505	8	0.37837	7
—8	19	—0.30947	7	0.85963	5	33	60	—0.15702	8	0.68517	7
—7	20	—0.31795	7	0.83670	5	34	61	—0.24818	8	0.11766	8
—6	21	—0.32620	7	0.81551	5	35	62	—0.40237	8	0.19715	8
—5	22	—0.33426	7	0.79586	5	36	63	—0.65915	8	0.32707	8
—4	23	—0.34213	7	0.77756	5	37	64	—0.10841	9	0.54051	8
—3	24	—0.34982	7	0.76047	5	38	65	—0.17858	9	0.89194	8
—2	25	—0.35734	7	0.74446	5	39	66	—0.29433	9	0.14710	9
—1	26	—0.36471	7	0.72942	5	40	67	—0.48520	9	0.24256	9
0	27	—0.37193	7	0.71525	5						

Table 14

$u_s = -26$ $\gamma = 5.11 \cdot 10^{-12}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—14	0.48516	9	—0.24258	9	1	27	—0.22559	7	0.43382	5
—39	—13	0.29426	9	—0.14714	9	2	28	—0.22988	7	0.42571	5
—38	—12	0.17848	9	—0.89244	8	3	29	—0.23410	7	0.41804	5
—37	—11	0.10824	9	—0.54132	8	4	30	—0.23825	7	0.41077	5
—36	—10	0.65644	8	—0.32837	8	5	31	—0.24232	7	0.40387	5
—35	—9	0.39800	8	—0.19922	8	6	32	—0.24633	7	0.39730	5
—34	—8	0.24118	8	—0.12092	8	7	33	—0.25027	7	0.39104	5
—33	—7	0.14597	8	—0.73455	7	8	34	—0.25415	7	0.38507	5
—32	—6	0.88087	7	—0.44710	7	9	35	—0.25797	7	0.37937	5
—31	—5	0.52796	7	—0.27325	7	10	36	—0.26174	7	0.37391	5
—30	—4	0.31157	7	—0.16835	7	11	37	—0.26545	7	0.36868	5
—29	—3	0.17744	7	—0.10527	7	12	38	—0.26911	7	0.36366	5
—28	—2	0.92686	6	—0.67460	6	13	39	—0.27272	7	0.35885	5
—27	—1	0.37495	6	—0.44848	6	14	40	—0.27629	7	0.35422	5
—26	0	0				15	41	—0.27981	7	0.34976	5
—25	1	—0.26834	6	0.23054	6	16	42	—0.28328	7	0.34548	5
—24	2	—0.47140	6	0.17951	6	17	43	—0.28672	7	0.34137	5
—23	3	—0.63341	6	0.14681	6	18	44	—0.29346	7	0.33359	5
—22	4	—0.76862	6	0.12499	6	19	45	—0.29678	7	0.33005	5
—21	5	—0.88557	6	0.10977	6	20	46	—0.30007	7	0.32695	5
—20	6	—0.98951	6	0.98657	5	21	47	—0.30333	7	0.32481	5
—19	7	—0.10838	7	0.90218	5	22	48	—0.30657	7	0.32507	5
—18	8	—0.11705	7	0.83578	5	23	49	—0.30985	7	0.33157	5
—17	9	—0.12513	7	0.78198	5	24	50	—0.31326	7	0.35469	5
—16	10	—0.13272	7	0.73732	5	25	51	—0.31708	7	0.42218	5
—15	11	—0.13990	7	0.69950	5	26	52	—0.32208	7	0.60770	5
—14	12	—0.14673	7	0.66696	5	27	53	—0.33024	7	0.11019	6
—13	13	—0.15326	7	0.63857	5	28	54	—0.34664	7	0.23685	6
—12	14	—0.15951	7	0.61352	5	29	55	—0.38336	7	0.53828	6
—11	15	—0.16554	7	0.59120	5	30	56	—0.46527	7	0.11695	7
—10	16	—0.17135	7	0.57115	5	31	57	—0.63408	7	0.23061	7
—9	17	—0.17697	7	0.55302	5	32	58	—0.95034	7	0.41647	7
—8	18	—0.18241	7	0.53651	5	33	59	—0.15040	8	0.71424	7
—7	19	—0.18770	7	0.52139	5	34	60	—0.24397	8	0.11962	8
—6	20	—0.19284	7	0.50748	5	35	61	—0.39974	8	0.19840	8
—5	21	—0.19785	7	0.49463	5	36	62	—0.65752	8	0.32785	8
—4	22	—0.20274	7	0.48271	5	37	63	—0.10831	9	0.54100	8
—3	23	—0.20751	7	0.47161	5	38	64	—0.17852	9	0.89224	8
—2	24	—0.21217	7	0.46125	5	39	65	—0.29429	9	0.14712	9
—1	25	—0.21674	7	0.45154	5	40	66	—0.48518	9	0.24258	9
0	26	—0.22121	7	0.44241	5						

Table 15

$u_B = -25$ $\gamma = 1.39 \cdot 10^{-11}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—15	0.48516	9	—0.24258	9	1	26	—0.13417	7	0.26834	5
—39	—14	0.29427	9	—0.14713	9	2	27	—0.13683	7	0.26313	5
—38	—13	0.17848	9	—0.89242	8	3	28	—0.13943	7	0.25821	5
—37	—12	0.10825	9	—0.54129	8	4	29	—0.14199	7	0.25355	5
—36	—11	0.65653	8	—0.32833	8	5	30	—0.14450	7	0.24914	5
—35	—10	0.39815	8	—0.19916	8	6	31	—0.14697	7	0.24496	5
—34	—9	0.24140	8	—0.12083	8	7	32	—0.14940	7	0.24097	5
—33	—8	0.14629	8	—0.73340	7	8	33	—0.15179	7	0.23718	5
—32	—7	0.88536	7	—0.44553	7	9	34	—0.15415	7	0.23356	5
—31	—6	0.53427	7	—0.27118	7	10	35	—0.15647	7	0.23010	5
—30	—5	0.32023	7	—0.16573	7	11	36	—0.15875	7	0.22679	5
—29	—4	0.18898	7	—0.10211	7	12	37	—0.16100	7	0.22361	5
—28	—3	0.10762	7	—0.63847	6	13	38	—0.16322	7	0.22057	5
—27	—2	0.56217	6	—0.40917	6	14	39	—0.16541	7	0.21765	5
—26	—1	0.22742	6	—0.27202	6	15	40	—0.16758	7	0.21485	5
—25	0	0				16	41	—0.16971	7	0.21217	5
—24	1	—0.16275	6	0.13983	6	17	42	—0.17182	7	0.20961	5
—23	2	—0.28592	6	0.10888	6	18	43	—0.17390	7	0.20721	5
—22	3	—0.38418	6	0.89047	5	19	44	—0.17800	7	0.20276	5
—21	4	—0.46619	6	0.75812	5	20	45	—0.18002	7	0.20134	5
—20	5	—0.53713	6	0.66576	5	21	46	—0.18203	7	0.20140	5
—19	6	—0.60017	6	0.59838	5	22	47	—0.18406	7	0.20534	5
—18	7	—0.65734	6	0.54720	5	23	48	—0.18617	7	0.21955	5
—17	8	—0.70997	6	0.50693	5	24	49	—0.18854	7	0.26120	5
—16	9	—0.75898	6	0.47430	5	25	50	—0.19163	7	0.37575	5
—15	10	—0.80501	6	0.44721	5	26	51	—0.19667	7	0.68066	5
—14	11	—0.84856	6	0.42427	5	27	52	—0.20679	7	0.14605	6
—13	12	—0.88997	6	0.40453	5	28	53	—0.22940	7	0.33092	6
—12	13	—0.92955	6	0.38731	5	29	54	—0.27964	7	0.71581	6
—11	14	—0.96750	6	0.37212	5	30	55	—0.38271	7	0.14056	7
—10	15	—0.10040	7	0.35858	5	31	56	—0.57516	7	0.25315	7
—9	16	—0.10393	7	0.34642	5	32	57	—0.91141	7	0.43359	7
—8	17	—0.10733	7	0.33542	5	33	58	—0.14793	8	0.72576	7
—7	18	—0.11064	7	0.32541	5	34	59	—0.24243	8	0.12035	8
—6	19	—0.11385	7	0.31624	5	35	60	—0.39879	8	0.19886	8
—5	20	—0.11697	7	0.30760	5	36	61	—0.65693	8	0.32814	8
—4	21	—0.12000	7	0.30001	5	37	62	—0.10828	9	0.54118	8
—3	22	—0.12297	7	0.29278	5	38	63	—0.17850	9	0.89235	8
—2	23	—0.12586	7	0.28605	5	39	64	—0.29428	9	0.14713	9
—1	24	—0.12869	7	0.27976	5	40	65	—0.48517	9	0.24258	9
0	25	—0.13146	7	0.27387	5						

Table 16

$u_B = -24$ $\gamma = 3.77 \cdot 10^{-11}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—16	0.48516	9	—0.24258	9	1	25	—0.79733	6	0.16611	5
—39	—15	0.29427	9	—0.14713	9	2	26	—0.81377	6	0.16275	5
—38	—14	0.17848	9	—0.89242	8	3	27	—0.82989	6	0.15959	5
—37	—13	0.10825	9	—0.54128	8	4	28	—0.84570	6	0.15661	5
—36	—12	0.65657	8	—0.32831	8	5	29	—0.86122	6	0.15379	5
—35	—11	0.39821	8	—0.19914	8	6	30	—0.87646	6	0.15111	5
—34	—10	0.24149	8	—0.12080	8	7	31	—0.89144	6	0.14857	5
—33	—9	0.14642	8	—0.73290	7	8	32	—0.90618	6	0.14616	5
—32	—8	0.88727	7	—0.44483	7	9	33	—0.92068	6	0.14386	5
—31	—7	0.53700	7	—0.27023	7	10	34	—0.93496	6	0.14166	5
—30	—6	0.32405	7	—0.16448	7	11	35	—0.94902	6	0.13956	5
—29	—5	0.19423	7	—0.10052	7	12	36	—0.96287	6	0.13755	5
—28	—4	0.11462	7	—0.61933	6	13	37	—0.97653	6	0.13563	5
—27	—3	0.65276	6	—0.38725	6	14	38	—0.99000	6	0.13379	5
—26	—2	0.34097	6	—0.24817	6	15	39	—0.10033	7	0.13203	5
—25	—1	0.13794	6	—0.16499	6	16	40	—0.10164	7	0.13035	5
—24	0	0				17	41	—0.10294	7	0.12878	5
—23	1	—0.98716	5	0.84811	5	18	42	—0.10422	7	0.12740	5
—22	2	—0.17342	6	0.66037	5	19	43	—0.10549	7	0.12640	5
—21	3	—0.23302	6	0.54010	5	20	44	—0.10798	7	0.12490	5
—20	4	—0.28276	6	0.45983	5	21	45	—0.10924	7	0.12728	5
—19	5	—0.32578	6	0.40381	5	22	46	—0.11055	7	0.13602	5
—18	6	—0.36402	6	0.36294	5	23	47	—0.11201	7	0.16174	5
—17	7	—0.39870	6	0.33189	5	24	48	—0.11393	7	0.23251	5
—16	8	—0.43062	6	0.30747	5	25	49	—0.11705	7	0.42075	5
—15	9	—0.46034	6	0.28767	5	26	50	—0.12330	7	0.90116	5
—14	10	—0.48827	6	0.27124	5	27	51	—0.13722	7	0.20352	6
—13	11	—0.51468	6	0.25733	5	28	52	—0.16804	7	0.43822	6
—12	12	—0.53980	6	0.24536	5	29	53	—0.23098	7	0.85674	6
—11	13	—0.56380	6	0.23492	5	30	54	—0.34809	7	0.15388	7
—10	14	—0.58682	6	0.22570	5	31	55	—0.55232	7	0.26321	7
—9	15	—0.60897	6	0.21749	5	32	56	—0.89692	7	0.44034	7
—8	16	—0.63035	6	0.21012	5	33	57	—0.14702	8	0.73006	7
—7	17	—0.65102	6	0.20344	5	34	58	—0.24187	8	0.12062	8
—6	18	—0.67106	6	0.19737	5	35	59	—0.39844	8	0.19903	8
—5	19	—0.69051	6	0.19181	5	36	60	—0.65672	8	0.32824	8
—4	20	—0.70943	6	0.18669	5	37	61	—0.10826	9	0.54124	8
—3	21	—0.72786	6	0.18197	5	38	62	—0.17849	9	0.89239	8
—2	22	—0.74584	6	0.17758	5	39	63	—0.29427	9	0.14713	9
—1	23	—0.76339	6	0.17350	5	40	64	—0.48517	9	0.24258	9
0	24	—0.78054	6	0.16968	5						

Table 17

$u_B = -23$ $\gamma = 1.03 \cdot 10^{-10}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—17	0.48517	9	—0.24258	9	1	24	—0.47342	6	0.10292	5
—39	—16	0.29427	9	—0.14713	9	2	25	—0.48361	6	0.10075	5
—38	—15	0.17848	9	—0.89241	8	3	26	—0.49358	6	0.98716	4
—37	—14	0.10825	9	—0.54128	8	4	27	—0.50335	6	0.96799	4
—36	—13	0.65659	8	—0.32830	8	5	28	—0.51294	6	0.94989	4
—35	—12	0.39823	8	—0.19913	8	6	29	—0.52235	6	0.93278	4
—34	—11	0.24153	8	—0.12078	8	7	30	—0.53160	6	0.91655	4
—33	—10	0.14647	8	—0.73269	7	8	31	—0.54069	6	0.90115	4
—32	—9	0.88806	7	—0.44453	7	9	32	—0.54963	6	0.88649	4
—31	—8	0.53816	7	—0.26980	7	10	33	—0.55842	6	0.87253	4
—30	—7	0.32571	7	—0.16390	7	11	34	—0.56708	6	0.85922	4
—29	—6	0.19655	7	—0.99762	6	12	35	—0.57561	6	0.84649	4
—28	—5	0.11780	7	—0.60970	6	13	36	—0.58401	6	0.83434	4
—27	—4	0.69522	6	—0.37564	6	14	37	—0.59230	6	0.82273	4
—26	—3	0.39592	6	—0.23488	6	15	38	—0.60047	6	0.81171	4
—25	—2	0.20681	6	—0.15052	6	16	39	—0.60853	6	0.80141	4
—24	—1	0.83663	5	—0.10007	6	17	40	—0.61650	6	0.79229	4
—23	0	0				18	41	—0.62439	6	0.78561	4
—22	1	—0.59874	5	0.51440	5	19	42	—0.63223	6	0.78478	4
—21	2	—0.10518	6	0.40054	5	20	43	—0.64013	6	0.79905	4
—20	3	—0.14133	6	0.32758	5	21	44	—0.65581	6	0.84350	4
—19	4	—0.17150	6	0.27890	5	22	45	—0.66491	6	0.10024	5
—18	5	—0.19760	6	0.24492	5	23	46	—0.67676	6	0.14399	5
—17	6	—0.22079	6	0.22013	5	24	47	—0.69606	6	0.26028	5
—16	7	—0.24182	6	0.20130	5	25	48	—0.73468	6	0.55636	5
—15	8	—0.26118	6	0.18649	5	26	49	—0.82050	6	0.12521	6
—14	9	—0.27921	6	0.17448	5	27	50	—0.10096	7	0.26832	6
—13	10	—0.29615	6	0.16452	5	28	51	—0.13940	7	0.52224	6
—12	11	—0.31217	6	0.15608	5	29	52	—0.21067	7	0.93538	6
—11	12	—0.32740	6	0.14882	5	30	53	—0.33471	7	0.15978	7
—10	13	—0.34196	6	0.14248	5	31	54	—0.54383	7	0.26717	7
—9	14	—0.35592	6	0.13689	5	32	55	—0.89162	7	0.44286	7
—8	15	—0.36936	6	0.13191	5	33	56	—0.14669	8	0.73164	7
—7	16	—0.38232	6	0.12744	5	34	57	—0.24166	8	0.12072	8
—6	17	—0.39486	6	0.12339	5	35	58	—0.39832	8	0.19909	8
—5	18	—0.40702	6	0.11971	5	36	59	—0.65664	8	0.32828	8
—4	19	—0.41882	6	0.11634	5	37	60	—0.10826	9	0.54126	8
—3	20	—0.43029	6	0.11323	5	38	61	—0.17848	9	0.89240	8
—2	21	—0.44147	6	0.11037	5	39	62	—0.29427	9	0.14713	9
—1	22	—0.45237	6	0.10771	5	40	63	—0.48517	9	0.24258	9
0	23	—0.46302	6	0.10523	5						

Table 18

$u_B = -22$ $\gamma = 2.79 \cdot 10^{-10}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—18	0.48517	9	—0.24258	9	1	23	—0.28083	6	0.63826	4
—39	—17	0.29427	9	—0.14713	9	2	24	—0.28715	6	0.62423	4
—38	—16	0.17848	9	—0.89241	8	3	25	—0.29332	6	0.61109	4
—37	—15	0.10825	9	—0.54128	8	4	26	—0.29937	6	0.59874	4
—36	—14	0.65660	8	—0.32830	8	5	27	—0.30530	6	0.58711	4
—35	—13	0.39824	8	—0.19913	8	6	28	—0.31112	6	0.57614	4
—34	—12	0.24154	8	—0.12078	8	7	29	—0.31682	6	0.56576	4
—33	—11	0.14649	8	—0.73260	7	8	30	—0.32243	6	0.55592	4
—32	—10	0.88839	7	—0.44440	7	9	31	—0.32794	6	0.54657	4
—31	—9	0.53864	7	—0.26962	7	10	32	—0.33337	6	0.53769	4
—30	—8	0.32641	7	—0.16364	7	11	33	—0.33870	6	0.52923	4
—29	—7	0.19755	7	—0.99411	6	12	34	—0.34395	6	0.52116	4
—28	—6	0.11921	7	—0.60508	6	13	35	—0.34912	6	0.51348	4
—27	—5	0.71452	6	—0.36980	6	14	36	—0.35422	6	0.50620	4
—26	—4	0.42167	6	—0.22784	6	15	37	—0.35925	6	0.49940	4
—25	—3	0.24014	6	—0.14246	6	16	38	—0.36421	6	0.49337	4
—24	—2	0.12544	6	—0.91298	5	17	39	—0.36912	6	0.48887	4
—23	—1	0.50744	5	—0.60695	5	18	40	—0.37400	6	0.48804	4
—22	0	0				19	41	—0.37891	6	0.49660	4
—21	1	—0.36316	5	0.31200	5	20	42	—0.38401	6	0.52994	4
—20	2	—0.63797	5	0.24294	5	21	43	—0.38972	6	0.62913	4
—19	3	—0.85722	5	0.19869	5	22	44	—0.40165	6	0.89255	4
—18	4	—0.10402	6	0.16916	5	23	45	—0.41360	6	0.16114	5
—17	5	—0.11985	6	0.14855	5	24	46	—0.43749	6	0.34371	5
—16	6	—0.13392	6	0.13352	5	25	47	—0.49040	6	0.77069	5
—15	7	—0.14667	6	0.12210	5	26	48	—0.60647	6	0.16432	6
—14	8	—0.15842	6	0.11311	5	27	49	—0.84125	6	0.31835	6
—13	9	—0.16935	6	0.10583	5	28	50	—0.12750	7	0.56859	6
—12	10	—0.17962	6	0.99785	4	29	51	—0.20283	7	0.96998	6
—11	11	—0.18934	6	0.94668	4	30	52	—0.32974	7	0.16210	7
—10	12	—0.19858	6	0.90263	4	31	53	—0.54073	7	0.26864	7
—9	13	—0.20741	6	0.86421	4	32	54	—0.88970	7	0.44378	7
—8	14	—0.21588	6	0.83030	4	33	55	—0.14657	8	0.73221	7
—7	15	—0.22403	6	0.80010	4	34	56	—0.24159	8	0.12075	8
—6	16	—0.23189	6	0.77297	4	35	57	—0.39827	8	0.19911	8
—5	17	—0.23950	6	0.74843	4	36	58	—0.65662	8	0.32829	8
—4	18	—0.24687	6	0.72608	4	37	59	—0.10826	9	0.54127	8
—3	19	—0.25402	6	0.70562	4	38	60	—0.17848	9	0.89241	8
—2	20	—0.26099	6	0.68680	4	39	61	—0.29427	9	0.14713	9
—1	21	—0.26777	6	0.66941	4	40	62	—0.48517	9	0.24258	9
0	22	—0.27438	6	0.65328	4						

Table 19

$u_B = -21$ $\gamma = 7.58 \cdot 10^{-10}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—19	0.48517	9	—0.24258	9	1	22	—0.16642	6	0.39623	4
—39	—18	0.29427	9	—0.14713	9	2	23	—0.17033	6	0.38712	4
—38	—17	0.17848	9	—0.89241	8	3	24	—0.17416	6	0.37862	4
—37	—16	0.10825	9	—0.54128	8	4	25	—0.17791	6	0.37064	4
—36	—15	0.65660	8	—0.32830	8	5	26	—0.18158	6	0.36316	4
—35	—14	0.39825	8	—0.19913	8	6	27	—0.18517	6	0.35610	4
—34	—13	0.24155	8	—0.12078	8	7	28	—0.18870	6	0.34945	4
—33	—12	0.14650	8	—0.73256	7	8	29	—0.19216	6	0.34315	4
—32	—11	0.88852	7	—0.44434	7	9	30	—0.19556	6	0.33718	4
—31	—10	0.53884	7	—0.26954	7	10	31	—0.19891	6	0.33152	4
—30	—9	0.32670	7	—0.16353	7	11	32	—0.20220	6	0.32614	4
—29	—8	0.19798	7	—0.99255	6	12	33	—0.20543	6	0.32103	4
—28	—7	0.11982	7	—0.60296	6	13	34	—0.20862	6	0.31619	4
—27	—6	0.72306	6	—0.36700	6	14	35	—0.21176	6	0.31168	4
—26	—5	0.43338	6	—0.22430	6	15	36	—0.21485	6	0.30767	4
—25	—4	0.25576	6	—0.13819	6	16	37	—0.21791	6	0.30464	4
—24	—3	0.14565	6	—0.86407	5	17	38	—0.22095	6	0.30390	4
—23	—2	0.76081	5	—0.55375	5	18	39	—0.22401	6	0.30902	4
—22	—1	0.30778	5	—0.36814	5	19	40	—0.22718	6	0.32954	4
—21	0	0				20	41	—0.23073	6	0.39092	4
—20	1	—0.22026	5	0.18924	5	21	42	—0.23535	6	0.56036	4
—19	2	—0.38695	5	0.14735	5	22	43	—0.24285	6	0.10096	5
—18	3	—0.51993	5	0.12051	5	23	44	—0.26033	6	0.21249	5
—17	4	—0.63092	5	0.10260	5	24	45	—0.29298	6	0.47457	5
—16	5	—0.72692	5	0.90101	4	25	46	—0.36424	6	0.10065	6
—15	6	—0.81224	5	0.80983	4	26	47	—0.50766	6	0.19408	6
—14	7	—0.88961	5	0.74055	4	27	48	—0.77159	6	0.34563	6
—13	8	—0.96084	5	0.68605	4	28	49	—0.12292	7	0.58884	6
—12	9	—0.10272	6	0.64189	4	29	50	—0.19993	7	0.98350	6
—11	10	—0.10895	6	0.60523	4	30	51	—0.32793	7	0.16296	7
—10	11	—0.11484	6	0.57419	4	31	52	—0.53961	7	0.26918	7
—9	12	—0.12044	6	0.54747	4	32	53	—0.88900	7	0.44412	7
—8	13	—0.12580	6	0.52417	4	33	54	—0.14653	8	0.73242	7
—7	14	—0.13094	6	0.50360	4	34	55	—0.24156	8	0.12077	8
—6	15	—0.13588	6	0.48529	4	35	56	—0.39826	8	0.19912	8
—5	16	—0.14065	6	0.46883	4	36	57	—0.65661	8	0.32830	8
—4	17	—0.14526	6	0.45394	4	37	58	—0.10826	9	0.54127	8
—3	18	—0.14973	6	0.44039	4	38	59	—0.17848	9	0.89241	8
—2	19	—0.15407	6	0.42798	4	39	60	—0.29427	9	0.14713	9
—1	20	—0.15830	6	0.41657	4	40	61	—0.48517	9	0.24258	9
0	21	—0.16241	6	0.40602	4						

Table 20

$u_B = -20$ $\gamma = 2.06 \cdot 10^{-9}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—20	0.48517	9	—0.24258	9	1	21	—0.98505	5	0.24626	4
—39	—19	0.29427	9	—0.14713	9	2	22	—0.10094	6	0.24033	4
—38	—18	0.17848	9	—0.89241	8	3	23	—0.10331	6	0.23480	4
—37	—17	0.10825	9	—0.54128	8	4	24	—0.10564	6	0.22964	4
—36	—16	0.65660	8	—0.32830	8	5	25	—0.10791	6	0.22481	4
—35	—15	0.39825	8	—0.19912	8	6	26	—0.11013	6	0.22026	4
—34	—14	0.24155	8	—0.12078	8	7	27	—0.11231	6	0.21599	4
—33	—13	0.14650	8	—0.73255	7	8	28	—0.11445	6	0.21195	4
—32	—12	0.88858	7	—0.44432	7	9	29	—0.11655	6	0.20813	4
—31	—11	0.53892	7	—0.26951	7	10	30	—0.11862	6	0.20452	4
—30	—10	0.32682	7	—0.16348	7	11	31	—0.12064	6	0.20110	4
—29	—9	0.19815	7	—0.99187	6	12	32	—0.12264	6	0.19787	4
—28	—8	0.12008	7	—0.60201	6	13	33	—0.12460	6	0.19486	4
—27	—7	0.72675	6	—0.36571	6	14	34	—0.12654	6	0.19218	4
—26	—6	0.43856	6	—0.22260	6	15	35	—0.12845	6	0.19013	4
—25	—5	0.26286	6	—0.13604	6	16	36	—0.13034	6	0.18952	4
—24	—4	0.15512	6	—0.83817	5	17	37	—0.13225	6	0.19256	4
—23	—3	0.88341	5	—0.52408	5	18	38	—0.13423	6	0.20518	4
—22	—2	0.46146	5	—0.33587	5	19	39	—0.13644	6	0.24321	4
—21	—1	0.18668	5	—0.22329	5	20	40	—0.13931	6	0.34827	4
—20	0	0				21	41	—0.14396	6	0.62654	4
—19	1	—0.13360	5	0.11478	5	22	42	—0.15322	6	0.13282	5
—18	2	—0.23470	5	0.89372	4	23	43	—0.17356	6	0.29472	5
—17	3	—0.31535	5	0.73094	4	24	44	—0.21872	6	0.61665	5
—16	4	—0.38267	5	0.62231	4	25	45	—0.30633	6	0.11832	6
—15	5	—0.44090	5	0.54649	4	26	46	—0.46696	6	0.21010	6
—14	6	—0.49265	5	0.49118	4	27	47	—0.74488	6	0.35746	6
—13	7	—0.53958	5	0.44917	4	28	48	—0.12122	7	0.59672	6
—12	8	—0.58278	5	0.41611	4	29	49	—0.19887	7	0.98852	6
—11	9	—0.62301	5	0.38933	4	30	50	—0.32727	7	0.16327	7
—10	10	—0.66080	5	0.36709	4	31	51	—0.53920	7	0.26937	7
—9	11	—0.69654	5	0.34826	4	32	52	—0.88875	7	0.44423	7
—8	12	—0.73054	5	0.33206	4	33	53	—0.14652	8	0.73249	7
—7	13	—0.76302	5	0.31792	4	34	54	—0.24155	8	0.12077	8
—6	14	—0.79418	5	0.30545	4	35	55	—0.39825	8	0.19912	8
—5	15	—0.82415	5	0.29434	4	36	56	—0.65660	8	0.32830	8
—4	16	—0.85308	5	0.28436	4	37	57	—0.10826	9	0.54127	8
—3	17	—0.88106	5	0.27533	4	38	58	—0.17848	9	0.89241	8
—2	18	—0.90817	5	0.26711	4	39	59	—0.29427	9	0.14713	9
—1	19	—0.93450	5	0.25958	4	40	60	—0.48517	9	0.24258	9
0	20	—0.96011	5	0.25266	4						

Table 21

$u_B = -19$ $\gamma = 5.60 \cdot 10^{-9}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—21	0.48517	9	—0.24258	9	1	20	—0.58234	5	0.15325	4
—39	—20	0.29427	9	—0.14713	9	2	21	—0.59747	5	0.14937	4
—38	—19	0.17848	9	—0.89241	8	3	22	—0.61222	5	0.14577	4
—37	—18	0.10825	9	—0.54128	8	4	23	—0.62663	5	0.14242	4
—36	—17	0.65660	8	—0.32830	8	5	24	—0.64071	5	0.13928	4
—35	—16	0.39825	8	—0.19912	8	6	25	—0.65449	5	0.13635	4
—34	—15	0.24155	8	—0.12078	8	7	26	—0.66799	5	0.13360	4
—33	—14	0.14651	8	—0.73254	7	8	27	—0.68122	5	0.13101	4
—32	—13	0.88860	7	—0.44431	7	9	28	—0.69419	5	0.12856	4
—31	—12	0.53895	7	—0.26949	7	10	29	—0.70693	5	0.12625	4
—30	—11	0.32687	7	—0.16346	7	11	30	—0.71945	5	0.12408	4
—29	—10	0.19823	7	—0.99158	6	12	31	—0.73175	5	0.12207	4
—28	—9	0.12019	7	—0.60160	6	13	32	—0.74387	5	0.12027	4
—27	—8	0.72831	6	—0.36514	6	14	33	—0.75582	5	0.11887	4
—26	—7	0.44080	6	—0.22182	6	15	34	—0.76767	5	0.11838	4
—25	—6	0.26600	6	—0.13501	6	16	35	—0.77957	5	0.12017	4
—24	—5	0.15943	6	—0.82514	5	17	36	—0.79190	5	0.12794	4
—23	—4	0.94087	5	—0.50838	5	18	37	—0.80567	5	0.15152	4
—22	—3	0.53582	5	—0.31787	5	19	38	—0.82355	5	0.21672	4
—21	—2	0.27989	5	—0.20371	5	20	39	—0.85250	5	0.38924	4
—20	—1	0.11323	5	—0.13543	5	21	40	—0.90992	5	0.82276	4
—19	0	0				22	41	—0.10356	6	0.18171	5
—18	1	—0.81031	4	0.69617	4	23	42	—0.13062	6	0.37984	5
—17	2	—0.14235	5	0.54207	4	24	43	—0.18435	6	0.72328	5
—16	3	—0.19127	5	0.44334	4	25	44	—0.28259	6	0.12772	6
—15	4	—0.23210	5	0.37745	4	26	45	—0.45140	6	0.21700	6
—14	5	—0.26742	5	0.33146	4	27	46	—0.73502	6	0.36205	6
—13	6	—0.29881	5	0.29792	4	28	47	—0.12061	7	0.59964	6
—12	7	—0.32727	5	0.27243	4	29	48	—0.19849	7	0.99035	6
—11	8	—0.35347	5	0.25238	4	30	49	—0.32704	7	0.16339	7
—10	9	—0.37787	5	0.23614	4	31	50	—0.53905	7	0.26945	7
—9	10	—0.40079	5	0.22265	4	32	51	—0.88866	7	0.44428	7
—8	11	—0.42247	5	0.21123	4	33	52	—0.14651	8	0.73252	7
—7	12	—0.44309	5	0.20140	4	34	53	—0.24155	8	0.12077	8
—6	13	—0.46279	5	0.19283	4	35	54	—0.39825	8	0.19912	8
—5	14	—0.48169	5	0.18527	4	36	55	—0.65660	8	0.32830	8
—4	15	—0.49988	5	0.17853	4	37	56	—0.10826	9	0.54127	8
—3	16	—0.51742	5	0.17247	4	38	57	—0.17848	9	0.89241	8
—2	17	—0.53439	5	0.16700	4	39	58	—0.29427	9	0.14713	9
—1	18	—0.55084	5	0.16201	4	40	59	—0.48517	9	0.24258	9
0	19	—0.56681	5	0.15745	4						

Table 22

$u_B = -18$ $\gamma = 15.2 \cdot 10^{-8}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—22	0.48517	9	—0.24258	9	1	19	—0,34378	5	0.95496	3
—39	—21	0.29427	9	—0.14713	9	2	20	—0.35321	5	0.92949	3
—38	—20	0.17848	9	—0.89241	8	3	21	—0.36238	5	0.90595	3
—37	—19	0.10825	9	—0.54127	8	4	22	—0.37133	5	0.88412	3
—36	—18	0,65660	8	—0,32830	8	5	23	—0,38007	5	0,86379	3
—35	—17	0,39825	8	—0,19912	8	6	24	—0,38861	5	0,84481	3
—34	—16	0,24155	8	—0,12077	8	7	25	—0,39697	5	0,82703	3
—33	—15	0,14651	8	—0,73254	7	8	26	—0.40515	5	0.81034	3
—32	—14	0.88861	7	—0.44431	7	9	27	—0.41318	5	0.79467	3
—31	—13	0.53896	7	—0.26949	7	10	28	—0.42105	5	0.77998	3
—30	—12	0.32689	7	—0.16346	7	11	29	—0.42878	5	0.76636	3
—29	—11	0.19826	7	—0.99146	6	12	30	—0.43638	5	0.75419	3
—28	—10	0.12023	7	—0.60143	6	13	31	—0.44387	5	0.74461	3
—27	— 9	0.72897	6	—0.36489	6	14	32	—0.45129	5	0.74079	3
—26	— 8	0.44175	6	—0.22147	6	15	33	—0.45874	5	0.75129	3
—25	— 7	0.26736	6	—0.13454	6	16	34	—0.46644	5	0.79910	3
—24	— 6	0.16134	6	—0.81889	5	17	35	—0.47504	5	0.94535	3
—23	— 5	0.96700	5	—0.50047	5	18	36	—0.48619	5	0.13505	4
—22	— 4	0.57067	5	—0.30835	5	19	37	—0.50421	5	0.24211	4
—21	— 3	0.32499	5	—0.19280	5	20	38	—0.53987	5	0.51015	4
—20	— 2	0.16976	5	—0.12356	5	21	39	—0.61757	5	0.11209	5
—19	— 1	0.68675	4	— 0.82142	4	22	40	—0.78394	5	0.23283	5
—18	0	0				23	41	—0.11123	6	0.44102	5
—17	1	—0.49148	4	0.42225	4	24	42	—0.17083	6	0.77725	5
—16	2	—0.86340	4	0.32878	4	25	43	—0.27343	6	0.13179	6
—15	3	—0.11601	5	0.26890	4	26	44	—0.44567	6	0.21967	6
—14	4	—0.14078	5	0.22893	4	27	45	—0.73144	6	0.36374	6
—13	5	—0.16220	5	0.20104	4	28	46	—0.12039	7	0.60070	6
—12	6	—0.18124	5	0.18070	4	29	47	—0.19835	7	0.99101	6
—11	7	—0.19850	5	0.16524	4	30	48	—0.32695	7	0.16343	7
—10	8	—0.21439	5	0.15308	4	31	49	—0.53900	7	0.26947	7
— 9	9	—0.22919	5	0.14322	4	32	50	—0.88863	7	0.44430	7
— 8	10	—0.24309	5	0.13504	4	33	51	—0.14651	8	0.73253	7
— 7	11	—0.25624	5	0.12812	4	34	52	—0.24155	8	0.12077	8
— 6	12	—0.26875	5	0.12216	4	35	53	—0.39825	8	0.19912	8
— 5	13	—0.28070	5	0.11696	4	36	54	—0.65660	8	0.32830	8
— 4	14	—0.29216	5	0.11237	4	37	55	—0.10826	9	0.54127	8
— 3	15	—0.30319	5	0.10828	4	38	56	—0.17848	9	0.89241	8
— 2	16	—0.31383	5	0.10461	4	39	57	—0.29427	9	0.14713	9
— 1	17	—0.32412	5	0.10129	4	40	58	—0.48517	9	0.24258	9
0	18	—0.33410	5	0.98264	3						

Table 23

$u_B = -17$ $\gamma = 4.14 \cdot 10^{-8}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—23	0.48517	9	—0.24258	9	1	18	—0.20264	5	0.59600	3
—39	—22	0.29427	9	—0.14713	9	2	19	—0.20852	5	0.57921	3
—38	—21	0.17848	9	—0.89241	8	3	20	—0.21423	5	0.56376	3
—37	—20	0.10825	9	—0.54127	8	4	21	—.021980	5	0.54949	3
—36	—19	0.65660	8	—0.32830	8	5	22	—0.22522	5	0.53625	3
—35	—18	0.39825	8	—0.19912	8	6	23	—0.23052	5	0.52392	3
—34	—17	0.24155	8	—0.12077	8	7	24	—0.23570	5	0.51242	3
—33	—16	0.14651	8	—0.73254	7	8	25	—0.24077	5	0.50167	3
—32	—15	0.88861	7	—0.44431	7	9	26	—0.24574	5	0.49164	3
—31	—14	0.53897	7	—0.26949	7	10	27	—0.25061	5	0.48236	3
—30	—13	0.32690	7	—0.16345	7	11	28	—0.25539	5	0.47407	3
—29	—12	0.19827	7	—0.99141	6	12	29	—0.26010	5	0.46747	3
—28	—11	0.12025	7	—0.60135	6	13	30	—0.26475	5	0.46454	3
—27	—10	0.72923	6	—0.36478	6	14	31	—0.26942	5	0.47060	3
—26	— 9	0.44214	6	—0.22132	6	15	32	—0.27424	5	0.50000	3
—25	— 8	0.26793	6	—0.13433	6	16	33	—0.27961	5	0.59083	3
—24	— 7	0.16216	6	—0.81601	5	17	34	—0.28658	5	0.84288	3
—23	— 6	0.97856	5	—0.49668	5	18	35	—0.29781	5	0.15079	4
—22	— 5	0.58651	5	—0.30355	5	19	36	—0.31999	5	0.31664	4
—21	— 4	0.34613	5	—0.18702	5	20	37	—0.36807	5	0.69188	4
—20	— 3	0.19712	5	—0.11694	5	21	38	—0.47038	5	0.14275	5
—19	— 2	0.10296	5	—0.74942	4	22	39	—0.67103	5	0.26892	5
—18	— 1	0.41653	4	—0.49822	4	23	40	—0.10338	6	0.47249	5
—17	0	0				24	41	—0.16570	6	0.80006	5
—16	1	—0.29810	4	0.25611	4	25	42	—0.27018	6	0.13330	6
—15	2	—0.52368	4	0.19942	4	26	43	—0.44356	6	0.22066	6
—14	3	—0.70365	4	0.16309	4	27	44	—0.73014	6	0.36436	6
—13	4	—0.85386	4	0.13886	4	28	45	—0.12031	7	0.60109	6
—12	5	—0.98378	4	0.12194	4	29	46	—0.19830	7	0.99125	6
—11	6	—0.10992	5	0.10960	4	30	47	—0.32692	7	0.16344	7
—10	7	—0.12040	5	0.10022	4	31	48	—0.53898	7	0.26948	7
— 9	8	—0.13004	5	0.92847	3	32	49	—0.88862	7	0.44430	7
— 8	9	—0.13901	5	0.86870	3	33	50	—0.14651	8	0.73253	7
— 7	10	—0.14744	5	0.81909	3	34	51	—0.24155	8	0.12077	8
— 6	11	—0.15542	5	0.77708	3	35	52	—0.39825	8	0.19912	8
— 5	12	—0.16300	5	0.74092	3	36	53	—0.65660	8	0.32830	8
— 4	13	—0.17025	5	0.70938	3	37	54	—0.10825	9	0.54127	8
— 3	14	—0.17720	5	0.68156	3	38	55	—0.17848	9	0.89241	8
— 2	15	—0.18389	5	0.65676	3	39	56	—0.29427	9	0.14713	9
— 1	16	—0.19035	5	0.63449	3	40	57	—0.48517	9	0.24258	9
0	17	—0.19659	5	0.61435	3						

Table 24

$u_B = -16$ $\gamma = 1.12 \cdot 10^{-7}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—24	0.48517	9	—0.24258	9	1	17	—0.11924	5	0.37262	3
—39	—23	0.29427	9	—0.14713	9	2	18	—0.12291	5	0.36149	3
—38	—22	0.17848	9	—0.89241	8	3	19	—0.12647	5	0.35131	3
—37	—21	0.10825	9	—0.54127	8	4	20	—0.12994	5	0.34194	3
—36	—20	0.65660	8	—0.32830	8	5	21	—0.13331	5	0.33329	3
—35	—19	0.39825	8	—0.19912	8	6	22	—0.13660	5	0.32526	3
—34	—18	0.24155	8	—0.12077	8	7	23	—0.13982	5	0.31781	3
—33	—17	0.14651	8	—0.73254	7	8	24	—0.14296	5	0.31089	3
—32	—16	0.88861	7	—0.44431	7	9	25	—0.14604	5	0.30451	3
—31	—15	0.53897	7	—0.26949	7	10	26	—0.14906	5	0.29882	3
—30	—14	0.32690	7	—0.16345	7	11	27	—0.15202	5	0.29424	3
—29	—13	0.19827	7	—0.99139	6	12	28	—0.15495	5	0.29200	3
—28	—12	0.12026	7	—0.60132	6	13	29	—0.15788	5	0.29544	3
—27	—11	0.72934	6	—0.36474	6	14	30	—0.16090	5	0.31350	3
—26	—10	0.44230	6	—0.22125	6	15	31	—0.16427	5	0.36997	3
—25	— 9	0.26817	6	—0.13423	6	16	32	—0.16863	5	0.52696	3
—24	— 8	0.16251	6	—0.81473	5	17	33	—0.17564	5	0.94057	3
—23	— 7	0.98355	5	—0.49494	5	18	34	—0.18945	5	0.19675	4
—22	— 6	0.59352	5	—0.30125	5	19	35	—0.21923	5	0.42734	4
—21	— 5	0.35574	5	—0.18411	5	20	36	—0.28217	5	0.87546	4
—20	— 4	0.20994	5	—0.11343	5	21	37	—0.40481	5	0.16399	5
—19	— 3	0.11956	5	—0.70927	4	22	38	—0.62560	5	0.28723	5
—18	— 2	0.62451	4	—0.45455	4	23	39	—0.10041	6	0.48560	5
—17	— 1	0.25264	4	—0.30218	4	24	40	—0.16382	6	0.80877	5
—16	0	0				25	41	—0.26900	6	0.13386	6
—15	1	—0.18080	4	0.15534	4	26	42	—0.44282	6	0.22101	6
—14	2	—0.31763	4	0.12095	4	27	43	—0.72967	6	0.36459	6
—13	3	—0.42679	4	0.98922	3	28	44	—0.12028	7	0.60122	6
—12	4	—0.51789	4	0.84220	3	29	45	—0.19829	7	0.99133	6
—11	5	—0.59669	4	0.73960	3	30	46	—0.32691	7	0.16345	7
—10	6	—0.66673	4	0.66475	3	31	47	—0.53897	7	0.26948	7
— 9	7	—0.73024	4	0.60788	3	32	48	—0.88861	7	0.44430	7
— 8	8	—0.78871	4	0.56315	3	33	49	—0.14651	8	0.73254	7
— 7	9	—0.84315	4	0.52689	3	34	50	—0.24155	8	0.12077	8
— 6	10	—0.89429	4	0.49680	3	35	51	—0.39825	8	0.19912	8
— 5	11	—0.94266	4	0.47132	3	36	52	—0.65660	8	0.32830	8
— 4	12	—0.98867	4	0.44939	3	37	53	—0.10825	9	0.54127	8
— 3	13	—0.10326	5	0.43026	3	38	54	—0.17848	9	0.89241	8
— 2	14	—0.10748	5	0.41338	3	39	55	—0.29427	9	0.14713	9
— 1	15	—0.11154	5	0.39835	3	40	56	—0.48517	9	0.24258	9
0	16	—0.11545	5	0.38484	3						

Table 25

$u_B = -15$ $\gamma = 3.06 \cdot 10^{-7}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—25	0.48517	9	—0.24258	9	1	16	—0.70025	4	0.23342	3
—39	—24	0.29427	9	—0.14713	9	2	17	—0.72322	4	0.22601	3
—38	—23	0.17848	9	—0.89241	8	3	18	—0.74548	4	0.21926	3
—37	—22	0.10825	9	—0.54127	8	4	19	—0.76709	4	0.21308	3
—36	—21	0.65660	8	—0.32830	8	5	20	—0.78811	4	0.20741	3
—35	—20	0.39825	8	—0.19912	8	6	21	—0.80858	4	0.20217	3
—34	—19	0.24155	8	—0.12077	8	7	22	—0.82856	4	0.19734	3
—33	—18	0.14651	8	—0.73254	7	8	23	—0.84806	4	0.19291	3
—32	—17	0.88861	7	—0.44431	7	9	24	—0.86715	4	0.18896	3
—31	—16	0.53897	7	—0.26949	7	10	25	—0.88588	4	0.18575	3
—30	—15	0.32690	7	—0.16345	7	11	26	—0.90435	4	0.18405	3
—29	—14	0.19827	7	—0.99139	6	12	27	—0.92281	4	0.18594	3
—28	—13	0.12026	7	—0.60131	6	13	28	—0.94184	4	0.19703	3
—27	—12	0.72939	6	—0.36472	6	14	29	—0.96299	4	0.23217	3
—26	—11	0.44237	6	—0.22123	6	15	30	—0.99031	4	0.33010	3
—25	—10	0.26827	6	—0.13420	6	16	31	—0.10342	5	0.58766	3
—24	— 9	0.16265	6	—0.81418	5	17	32	—0.11202	5	0.12240	4
—23	— 8	0.98567	5	—0.49416	5	18	33	—0.13049	5	0.26412	4
—22	— 7	0.59655	5	—0.30019	5	19	34	—0.16922	5	0.53702	4
—21	— 6	0.35999	5	—0.18272	5	20	35	—0.24419	5	0.10001	5
—20	— 5	0.21577	5	—0.11167	5	21	36	—0.37858	5	0.17461	5
—19	— 4	0.12733	5	—0.68801	4	22	37	—0.60849	5	0.29484	5
—18	— 3	0.72515	4	—0.43019	4	23	38	—0.99327	5	0.49071	5
—17	— 2	0.37879	4	—0.27570	4	24	39	—0.16314	6	0.81197	5
—16	— 1	0.15323	4	—0.18328	4	25	40	—0.26857	6	0.13406	6
—15	0	0				26	41	—0.44256	6	0.22114	6
—14	1	—0.10966	4	0.94216	3	27	42	—0.72951	6	0.36466	6
—13	2	—0.19265	4	0.73361	3	28	43	—0.12027	7	0.60127	6
—12	3	—0.25886	4	0.59999	3	29	44	—0.19828	7	0.99136	6
—11	4	—0.31412	4	0.51082	3	30	45	—0.32690	7	0.16345	7
—10	5	—0.36191	4	0.44859	3	31	46	—0.53897	7	0.26948	7
— 9	6	—0.40439	4	0.40319	3	32	47	—0.88861	7	0.44431	7
— 8	7	—0.44291	4	0.36870	3	33	48	—0.14651	8	0.73254	7
— 7	8	—0.47837	4	0.34157	3	34	49	—0.24155	8	0.12077	8
— 6	9	—0.51140	4	0.31958	3	35	50	—0.39825	8	0.19912	8
— 5	10	—0.54241	4	0.30133	3	36	51	—0.65660	8	0.32830	8
— 4	11	—0.57175	4	0.28587	3	37	52	—0.10825	9	0.54127	8
— 3	12	—0.59966	4	0.27257	3	38	53	—0.17848	9	0.89241	8
— 2	13	—0.62632	4	0.26097	3	39	54	—0.29427	9	0.14713	9
— 1	14	—0.65190	4	0.25073	3	40	55	—0.48517	9	0.24258	9
0	15	—0.67651	4	0.24161	3						

Table 26

$u_B = -14$ $\gamma = 8.32 \cdot 10^{-7}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—26	0.48517	9	—0.24258	9	1	15	—0.41032	4	0.14654	3
—39	—25	0.29427	9	—0.14713	9	2	16	—0.42472	4	0.14158	3
—38	—24	0.17848	9	—0.89241	8	3	17	—0.43865	4	0.13708	3
—37	—23	0.10825	9	—0.54127	8	4	18	—0.45215	4	0.13299	3
—36	—22	0.65660	8	—0.32830	8	5	19	—0.46526	4	0.12925	3
—35	—21	0.39825	8	—0.19912	8	6	20	—0.47802	4	0.12583	3
—34	—20	0.24155	8	—0.12077	8	7	21	—0.49044	4	0.12272	3
—33	—19	0.14651	8	—0.73254	7	8	22	—0.50257	4	0.11994	3
—32	—18	0.88861	7	—0.44431	7	9	23	—0.51445	4	0.11767	3
—31	—17	0.53897	7	—0.26949	7	10	24	—0.52614	4	0.11638	3
—30	—16	0.32690	7	—0.16345	7	11	25	—0.53780	4	0.11738	3
—29	—15	0.19828	7	—0.99138	6	12	26	—0.54980	4	0.12417	3
—28	—14	0.12026	7	—0.60131	6	13	27	—0.56312	4	0.14606	3
—27	—13	0.72940	6	—0.36471	6	14	28	—0.58028	4	0.20724	3
—26	—12	0.44240	6	—0.22121	6	15	29	—0.60780	4	0.36785	3
—25	—11	0.26831	6	—0.13418	6	16	30	—0.66153	4	0.76253	3
—24	—10	0.16271	6	—0.81394	5	17	31	—0.77610	4	0.16337	4
—23	— 9	0.98655	5	—0.49382	5	18	32	—0.10146	5	0.32950	4
—22	— 8	0.59784	5	—0.29972	5	19	33	—0.14730	5	0.60994	4
—21	— 7	0.36183	5	—0.18208	5	20	34	—0.22910	5	0.10615	5
—20	— 6	0.21835	5	—0.11083	5	21	35	—0.36874	5	0.17899	5
—19	— 5	0.13087	5	—0.67732	4	22	36	—0.60225	5	0.29773	5
—18	— 4	0.77231	4	—0.41730	4	23	37	—0.98935	5	0.49255	5
—17	— 3	0.43982	4	—0.26093	4	24	38	—0.16289	6	0.81313	5
—16	— 2	0.22975	4	—0.16722	4	25	39	—0.26842	6	0.13413	6
—15	— 1	0.92941	3	—0.11117	4	26	40	—0.44247	6	0.22118	6
—14	0	0				27	41	—0.72945	6	0.36469	6
—13	1	—0.66514	3	0.57145	3	28	42	—0.12026	7	0.60129	6
—12	2	—0.11685	4	0.44496	3	29	43	—0.19828	7	0.99137	6
—11	3	—0.15701	4	0.36391	3	30	44	—0.32690	7	0.16345	7
—10	4	—0.19052	4	0.30983	3	31	45	—0.53897	7	0.26948	7
—9	5	—0.21951	4	0.27208	3	32	46	—0.88861	7	0.44431	7
—8	6	—0.24528	4	0.24455	3	33	47	—0.14651	8	0.73254	7
—7	7	—0.26864	4	0.22363	3	34	48	—0.24155	8	0.12077	8
—6	8	—0.29015	4	0.20717	3	35	49	—0.39825	8	0.19912	8
—5	9	—0.31018	4	0.19383	3	36	50	—0.65660	8	0.32830	8
—4	10	—0.32899	4	0.18276	3	37	51	—0.10825	9	0.54127	8
—3	11	—0.34679	4	0.17339	3	38	52	—0.17848	9	0.89241	8
—2	12	—0.36371	4	0.16532	3	39	53	—0.29427	9	0.14713	9
—1	13	—0.37988	4	0.15829	3	40	54	—0.48517	9	0.24258	9
0	14	—0.39540	4	0.15208	3						

Table 27

$u_B = -13$ $\gamma = 2.26 \cdot 10^{-6}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—27	0.48517	9	—0.24258	9	1	14	—0.23982	4	0.92239	2
—39	—26	0.29427	9	—0.14713	9	2	15	—0.24887	4	0.88885	2
—38	—25	0.17848	9	—0.89241	8	3	16	—0.25761	4	0.85873	2
—37	—24	0.10825	9	—0.54127	8	4	17	—0.26606	4	0.83153	2
—36	—23	0.65660	8	—0.32830	8	5	18	—0.27425	4	0.80687	2
—35	—22	0.39825	8	—0.19912	8	6	19	—0.28220	4	0.78457	2
—34	—21	0.24155	8	—0.12077	8	7	20	—0.28995	4	0.76481	2
—33	—20	0.14651	8	—0.73254	7	8	21	—0.29751	4	0.74854	2
—32	—19	0.88861	7	—0.44431	7	9	22	—0.30494	4	0.73870	2
—31	—18	0.53897	7	—0.26948	7	10	23	—0.31233	4	0.74350	2
—30	—17	0.32690	7	—0.16345	7	11	24	—0.31993	4	0.78500	2
—29	—16	0.19828	7	—0.99138	6	12	25	—0.32834	4	0.92156	2
—28	—15	0.12026	7	—0.60130	6	13	26	—0.33916	4	0.13045	3
—27	—14	0.72941	6	—0.36471	6	14	27	—0.35645	4	0.23075	3
—26	—13	0.44241	6	—0.22121	6	15	28	—0.39005	4	0.47576	3
—25	—12	0.26833	6	—0.13417	6	16	29	—0.46123	4	0.10113	4
—24	—11	0.16274	6	—0.81384	5	17	30	—0.60815	4	0.20223	4
—23	—10	0.98691	5	—0.49368	5	18	31	—0.68844	4	0.37201	4
—22	—9	0.59837	5	—0.29952	5	19	32	—0.13864	5	0.64531	4
—21	—8	0.36261	5	—0.18179	5	20	33	—0.22346	5	0.10866	5
—20	—7	0.21946	5	—0.11044	5	21	34	—0.36516	5	0.18064	5
—19	—6	0.13243	5	—0.67219	4	22	35	—0.60000	5	0.29878	5
—18	—5	0.79376	4	—0.41081	4	23	36	—0.98794	5	0.49321	5
—17	—4	0.46843	4	—0.25311	4	24	37	—0.16280	6	0.81354	5
—16	—3	0.26677	4	—0.15826	4	25	38	—0.26837	6	0.13415	6
—15	—2	0.13935	4	—0.10142	4	26	39	—0.44243	6	0.22120	6
—14	—1	0.56372	3	—0.67427	3	27	40	—0.72943	6	0.36470	6
—13	0	0				28	41	—0.12026	7	0.60130	6
—12	1	—0.40343	3	0.34660	3	29	42	—0.19828	7	0.99138	6
—11	2	—0.70872	3	0.26988	3	30	43	—0.32690	7	0.16345	7
—10	3	—0.95229	3	0.22072	3	31	44	—0.53897	7	0.26948	7
—9	4	—0.11556	4	0.18792	3	32	45	—0.88861	7	0.44431	7
—8	5	—0.13314	4	0.16503	3	33	46	—0.14651	8	0.73254	7
—7	6	—0.14877	4	0.14832	3	34	47	—0.24155	8	0.12077	8
—6	7	—0.16294	4	0.13564	3	35	48	—0.39825	8	0.19912	8
—5	8	—0.17598	4	0.12565	3	36	49	—0.65660	8	0.32830	8
—4	9	—0.18813	4	0.11757	3	37	50	—0.10825	9	0.54127	8
—3	10	—0.19954	4	0.11085	3	38	51	—0.17848	9	0.89241	8
—2	11	—0.21034	4	0.10517	3	39	52	—0.29427	9	0.14713	9
—1	12	—0.22060	4	0.10027	3	40	53	—0.48517	9	0.24258	9
0	13	—0.23041	4	0.96005	2						

Table 28

$u_B = -12$ $\gamma = 6.14 \cdot 10^{-6}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—28	0.48517	9	—0.24258	9	1	13	—0.13975	4	0.58231	2
—39	—27	0.29427	9	—0.14713	9	2	14	—0.14546	4	0.55948	2
—38	—26	0.17848	9	—0.89241	8	3	15	—0.15095	4	0.53917	2
—37	—25	0.10825	9	—0.54127	8	4	16	—0.15625	4	0.52099	2
—36	—24	0.65660	8	—0.32830	8	5	17	—0.16138	4	0.50473	2
—35	—23	0.39825	8	—0.19912	8	6	18	—0.16635	4	0.49041	2
—34	—22	0.24155	8	—0.12077	8	7	19	—0.17119	4	0.47856	2
—33	—21	0.14651	8	—0.73254	7	8	20	—0.17594	4	0.47101	2
—32	—20	0.88861	7	—0.44431	7	9	21	—0.18064	4	0.47292	2
—31	—19	0.53897	7	—0.26948	7	10	22	—0.18547	4	0.49815	2
—30	—18	0.32690	7	—0.16345	7	11	23	—0.19080	4	0.58341	2
—29	—17	0.19828	7	—0.99138	6	12	24	—0.19764	4	0.82350	2
—28	—16	0.12026	7	—0.60130	6	13	25	—0.20853	4	0.14510	3
—27	—15	0.72941	6	—0.36471	6	14	26	—0.22960	4	0.29734	3
—26	—14	0.44241	6	—0.22121	6	15	27	—0.27387	4	0.62653	3
—25	—13	0.26833	6	—0.13417	6	16	28	—0.36442	4	0.12415	4
—24	—12	0.16275	6	—0.81380	5	17	29	—0.53584	4	0.22691	4
—23	—11	0.98706	5	—0.49362	5	18	30	—0.83893	4	0.39230	4
—22	—10	0.59859	5	—0.29943	5	19	31	—0.13541	5	0.65963	4
—21	—9	0.36293	5	—0.18167	5	20	32	—0.22141	5	0.10960	5
—20	—8	0.21993	5	—0.11026	5	21	33	—0.36387	5	0.18124	5
—19	—7	0.13311	5	—0.66982	4	22	34	—0.59919	5	0.29916	5
—18	—6	0.80325	4	—0.40770	4	23	35	—0.98744	5	0.49345	5
—17	—5	0.48144	4	—0.24917	4	24	36	—0.16277	6	0.81369	5
—16	—4	0.28412	4	—0.15352	4	25	37	—0.26835	6	0.13416	6
—15	—3	0.16180	4	—0.95989	3	26	38	—0.44242	6	0.22120	6
—14	—2	0.84519	3	—0.61516	3	27	39	—0.72942	6	0.36471	6
—13	—1	0.34191	3	—0.40896	3	28	40	—0.12026	7	0.60130	6
—12	0	0				29	41	—0.19828	7	0.99138	6
—11	1	—0.24469	3	0.21022	3	30	42	—0.32690	7	0.16345	7
—10	2	—0.42986	3	0.16369	3	31	43	—0.53897	7	0.26948	7
—9	3	—0.57759	3	0.13388	3	32	44	—0.88861	7	0.44431	7
—8	4	—0.70089	3	0.11398	3	33	45	—0.14651	8	0.73254	7
—7	5	—0.80754	3	0.10009	3	34	46	—0.24155	8	0.12077	8
—6	6	—0.90232	3	0.89964	2	35	47	—0.39825	8	0.19912	8
—5	7	—0.98827	3	0.82268	2	36	48	—0.65660	8	0.32830	8
—4	8	—0.10674	4	0.76213	2	37	49	—0.10825	9	0.54127	8
—3	9	—0.11411	4	0.71307	2	38	50	—0.17848	9	0.89241	8
—2	10	—0.12103	4	0.67235	2	39	51	—0.29427	9	0.14713	9
—1	11	—0.12758	4	0.63787	2	40	52	—0.48517	9	0.24258	9
0	12	—0.13380	4	0.60819	2						

Table 29

$u_B = -11$ $\gamma = 1.67 \cdot 10^{-5}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—29	0.48517	9	—0.24258	9	1	12	—0.81155	3	0.36890	2
—39	—26	0.29427	9	—0.14713	9	2	13	—0.84764	3	0.35322	2
—38	—27	0.17848	9	—0.89241	8	3	14	—0.88226	3	0.33944	2
—37	—26	0.10825	9	—0.54127	8	4	15	—0.91558	3	0.32727	2
—36	—25	0.65660	8	—0.32830	8	5	16	—0.94777	3	0.31665	2
—35	—24	0.39825	8	—0.19912	8	6	17	—0.97897	3	0.30786	2
—34	—23	0.24155	8	—0.12077	8	7	18	—0.10094	4	0.30200	2
—33	—22	0.14651	8	—0.73254	7	8	19	—0.10396	4	0.30231	2
—32	—21	0.88861	7	—0.44431	7	9	20	—0.10704	4	0.31754	2
—31	—20	0.53897	7	—0.26948	7	10	21	—0.11043	4	0.37082	2
—30	—19	0.32690	7	—0.16345	7	11	22	—0.11477	4	0.52168	2
—29	—18	0.19828	7	—0.99138	6	12	23	—0.12165	4	0.91500	2
—28	—17	0.12026	7	—0.60130	6	13	24	—0.13489	4	0.18618	3
—27	—16	0.72942	6	—0.36471	6	14	25	—0.16247	4	0.38853	3
—26	—15	0.44241	6	—0.22121	6	15	26	—0.21831	4	0.76243	3
—25	—14	0.26834	6	—0.13417	6	16	27	—0.32315	4	0.13842	4
—24	—13	0.16275	6	—0.81378	5	17	28	—0.50766	4	0.23850	4
—23	—12	0.98712	5	—0.49360	5	18	29	—0.82059	4	0.40044	4
—22	—11	0.59868	5	—0.29940	5	19	30	—0.13425	5	0.66498	4
—21	—10	0.36306	5	—0.18161	5	20	31	—0.22067	5	0.10994	5
—20	—9	0.22013	5	—0.11019	5	21	32	—0.36341	5	0.18146	5
—19	—8	0.13340	5	—0.66877	4	22	33	—0.59890	5	0.29930	5
—18	—7	0.80735	4	—0.40627	4	23	34	—0.98726	5	0.49353	5
—17	—6	0.48719	4	—0.24728	4	24	35	—0.16276	6	0.81374	5
—16	—5	0.29201	4	—0.15113	4	25	36	—0.26834	6	0.13417	6
—15	—4	0.17233	4	—0.93112	3	26	37	—0.44242	6	0.22121	6
—14	—3	0.98138	3	—0.58221	3	27	38	—0.72942	6	0.36471	6
—13	—2	0.51263	3	—0.37311	3	28	39	—0.12026	7	0.60130	6
—12	—1	0.20738	3	—0.24805	3	29	40	—0.19828	7	0.99138	6
—11	0	0				30	41	—0.32690	7	0.16345	7
—10	1	—0.14841	3	0.12751	3	31	42	—0.53897	7	0.26948	7
—9	2	—0.26072	3	0.99283	2	32	43	—0.88861	7	0.44431	7
—8	3	—0.35033	3	0.81200	2	33	44	—0.14651	8	0.73254	7
—7	4	—0.42511	3	0.69132	2	34	45	—0.24155	8	0.12077	8
—6	5	—0.48980	3	0.60710	2	35	46	—0.39825	8	0.19912	8
—5	6	—0.54728	3	0.54566	2	36	47	—0.65660	8	0.32830	8
—4	7	—0.59942	3	0.49898	2	37	48	—0.10825	9	0.54127	8
—3	8	—0.64741	3	0.46226	2	38	49	—0.17848	9	0.89241	8
—2	9	—0.69210	3	0.43250	2	39	50	—0.29427	9	0.14713	9
—1	10	—0.73408	3	0.40780	2	40	51	—0.48517	9	0.24258	9
0	11	—0.77379	3	0.38689	2						

Table 30

$u_B = -10$ $\gamma = 4.54 \cdot 10^{-5}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—30	0.48517	9	—0.24258	9	1	11	—0.46933	3	0.23469	2
—39	—29	0.29427	9	—0.14713	9	2	12	—0.49224	3	0.22381	2
—38	—28	0.17848	9	—0.89241	8	3	13	—0.51414	3	0.21440	2
—37	—27	0.10825	9	—0.54127	8	4	14	—0.53516	3	0.20630	2
—36	—26	0.65660	8	—0.32830	8	5	15	—0.55544	3	0.19961	2
—35	—25	0.39825	8	—0.19912	8	6	16	—0.57515	3	0.19499	2
—34	—24	0.24155	8	—0.12077	8	7	17	—0.59458	3	0.19445	2
—33	—23	0.14651	8	—0.73254	7	8	18	—0.61435	3	0.20353	2
—32	—22	0.88861	7	—0.44431	7	9	19	—0.63607	3	0.23684	2
—31	—21	0.53897	7	—0.26948	7	10	20	—0.66372	3	0.33186	2
—30	—20	0.32690	7	—0.16345	7	11	21	—0.70739	3	0.57889	2
—29	—19	0.19828	7	—0.99138	6	12	22	—0.79077	3	0.11684	3
—28	—18	0.12026	7	—0.60130	6	13	23	—0.96281	3	0.24119	3
—27	—17	0.72942	6	—0.36471	6	14	24	—0.13074	4	0.46836	3
—26	—16	0.44241	6	—0.22121	6	15	25	—0.19488	4	0.84440	3
—25	—15	0.26834	6	—0.13417	6	16	26	—0.30719	4	0.14499	4
—24	—14	0.16275	6	—0.81378	5	17	27	—0.49727	4	0.24310	4
—23	—13	0.98714	5	—0.49359	5	18	28	—0.81397	4	0.40347	4
—22	—12	0.59872	5	—0.29938	5	19	29	—0.13383	5	0.66692	4
—21	—11	0.36312	5	—0.18159	5	20	30	—0.22041	5	0.11006	5
—20	—10	0.22021	5	—0.11015	5	21	31	—0.36325	5	0.18154	5
—19	—9	0.13351	5	—0.66832	4	22	32	—0.59880	5	0.29934	5
—18	—8	0.80908	4	—0.40563	4	23	33	—0.98719	5	0.49356	5
—17	—7	0.48968	4	—0.24641	4	24	34	—0.16276	6	0.81376	5
—16	—6	0.29550	4	—0.14999	4	25	35	—0.26834	6	0.13417	6
—15	—5	0.17711	4	—0.91665	3	26	36	—0.44241	6	0.22121	6
—14	—4	0.10452	4	—0.56475	3	27	37	—0.72942	6	0.36471	6
—13	—3	0.59524	3	—0.35313	3	28	38	—0.12026	7	0.60130	6
—12	—2	0.31093	3	—0.22630	3	29	39	—0.19828	7	0.99138	6
—11	—1	0.12578	3	—0.15045	3	30	40	—0.32690	7	0.16345	7
—10	0	0				31	41	—0.53897	7	0.26948	7
—9	1	—0.90017	2	0.77337	2	32	42	—0.88861	7	0.44431	7
—8	2	—0.15814	3	0.60218	2	33	43	—0.14651	8	0.73254	7
—7	3	—0.21248	3	0.49250	2	34	44	—0.24155	8	0.12077	8
—6	4	—0.25784	3	0.41931	2	35	45	—0.39825	8	0.19912	8
—5	5	—0.29708	3	0.36822	2	36	46	—0.65660	8	0.32830	8
—4	6	—0.33194	3	0.33096	2	37	47	—0.10825	9	0.54127	8
—3	7	—0.36356	3	0.30265	2	38	48	—0.17848	9	0.89241	8
—2	8	—0.39267	3	0.28038	2	39	49	—0.29427	9	0.14713	9
—1	9	—0.41978	3	0.26233	2	40	50	—0.48517	9	0.24258	9
0	10	—0.44524	3	0.24735	2						

Table 31

$u_B = -9$ $\gamma = 1.23 \cdot 10^{-4}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—31	0.48517	9	—0.24258	9	1	10	—0.27006	3	0.15007	2
—39	—30	0.29427	9	—0.14713	9	2	11	—0.28467	3	0.14245	2
—38	—29	0.17848	9	—0.89241	8	3	12	—0.29859	3	0.13603	2
—37	—28	0.10825	9	—0.54127	8	4	13	—0.31192	3	0.13077	2
—36	—27	0.65660	8	—0.32830	8	5	14	—0.32479	3	0.12703	2
—35	—26	0.39825	8	—0.19912	8	6	15	—0.33741	3	0.12606	2
—34	—25	0.24155	8	—0.12077	8	7	16	—0.35020	3	0.13135	2
—33	—24	0.14651	8	—0.73254	7	8	17	—0.36418	3	0.15218	2
—32	—23	0.88861	7	—0.44431	7	9	18	—0.38191	3	0.21217	2
—31	—22	0.53897	7	—0.26948	7	10	19	—0.40973	3	0.36767	2
—30	—21	0.32690	7	—0.16345	7	11	20	—0.46242	3	0.73502	2
—29	—20	0.19828	7	—0.99138	6	12	21	—0.56993	3	0.14989	3
—28	—19	0.12026	7	—0.60130	6	13	22	—0.78267	3	0.28781	3
—27	—18	0.72942	6	—0.36471	6	14	23	—0.11751	4	0.51515	3
—26	—17	0.44241	6	—0.22121	6	15	24	—0.18589	4	0.88148	3
—25	—16	0.26834	6	—0.13417	6	16	25	—0.30134	4	0.14758	4
—24	—15	0.16275	6	—0.81378	5	17	26	—0.49353	4	0.24480	4
—23	—14	0.98715	5	—0.49358	5	18	27	—0.81161	4	0.40456	4
—22	—13	0.59873	5	—0.29937	5	19	28	—0.13368	5	0.66761	4
—21	—12	0.36314	5	—0.18158	5	20	29	—0.22032	5	0.11011	5
—20	—11	0.22024	5	—0.11014	5	21	30	—0.36319	5	0.18156	5
—19	—10	0.13356	5	—0.66812	4	22	31	—0.59876	5	0.29936	5
—18	—9	0.80981	4	—0.40535	4	23	32	—0.98717	5	0.49357	5
—17	—8	0.49073	4	—0.24603	4	24	33	—0.16276	6	0.81377	5
—16	—7	0.29701	4	—0.14946	4	25	34	—0.26834	6	0.13417	6
—15	—6	0.17923	4	—0.90971	3	26	35	—0.44241	6	0.22121	6
—14	—5	0.10742	4	—0.55598	3	27	36	—0.72942	6	0.36471	6
—13	—4	0.63395	3	—0.34254	3	28	37	—0.12026	7	0.60130	6
—12	—3	0.36103	3	—0.21418	3	29	38	—0.19828	7	0.99138	6
—11	—2	0.18859	3	—0.13726	3	30	39	—0.32690	7	0.16345	7
—10	—1	0.76291	2	—0.91252	2	31	40	—0.53897	7	0.26948	7
—9	0	0				32	41	—0.88861	7	0.44431	7
—8	1	—0.54598	2	0.46908	2	33	42	—0.14651	8	0.73254	7
—7	2	—0.95915	2	0.36524	2	34	43	—0.24155	8	0.12077	8
—6	3	—0.12888	3	0.29872	2	35	44	—0.39825	8	0.19912	8
—5	3	—0.15639	3	0.25432	2	35	44	—0.65660	8	0.32830	8
—4	5	—0.18019	3	0.22334	2	37	46	—0.10825	9	0.54127	8
—3	6	—0.20133	3	0.20074	2	38	47	—0.17848	9	0.89241	8
—2	7	—0.22051	3	0.18357	2	39	48	—0.29427	9	0.14713	9
—1	8	—0.23817	3	0.17006	2	40	49	—0.48517	9	0.24258	9
0	9	—0.25461	3	0.15913	2						

Table 32

$u_B = -8$ $\gamma = 3.35 \cdot 10^{-4}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—32	0.48517	9	—0.24258	9	1	9	—0.15444	3	0.96587	1
—39	—31	0.29427	9	—0.14713	9	2	10	—0.16382	3	0.91206	1
—38	—30	0.17848	9	—0.89241	8	3	11	—0.17271	3	0.86878	1
—37	—29	0.10825	9	—0.54127	8	4	12	—0.18123	3	0.83747	1
—36	—28	0.65660	8	—0.32830	8	5	13	—0.18953	3	0.82558	1
—35	—27	0.39825	8	—0.19912	8	6	14	—0.19788	3	0.85517	1
—34	—26	0.24155	8	—0.12077	8	7	15	—0.20695	3	0.98514	1
—33	—25	0.14651	8	—0.73254	7	8	16	—0.21839	3	0.13650	2
—32	—24	0.88861	7	—0.44431	7	9	17	—0.23622	3	0.23462	2
—31	—23	0.53897	7	—0.26948	7	10	18	—0.26963	3	0.46373	2
—30	—22	0.32690	7	—0.16345	7	11	19	—0.33694	3	0.93272	2
—29	—21	0.19828	7	—0.99138	6	12	20	—0.46839	3	0.17692	3
—28	—20	0.12026	7	—0.60130	6	13	21	—0.70854	3	0.31430	3
—27	—19	0.72942	6	—0.36471	6	14	22	—0.11248	4	0.53590	3
—26	—18	0.44241	6	—0.22121	6	15	23	—0.18261	4	0.89590	3
—25	—17	0.26834	6	—0.13417	6	16	24	—0.29924	4	0.14853	4
—24	—16	0.16275	6	—0.81377	5	17	25	—0.49220	4	0.24541	4
—23	—15	0.98716	5	—0.49358	5	18	26	—0.81077	4	0.40494	4
—22	—14	0.59874	5	—0.29937	5	19	27	—0.13363	5	0.66785	4
—21	—13	0.36315	5	—0.18158	5	20	28	—0.22028	5	0.11012	5
—20	—12	0.22026	5	—0.11014	5	21	29	—0.36317	5	0.18157	5
—19	—11	0.13358	5	—0.66804	4	22	30	—0.59875	5	0.29937	5
—18	—10	0.81011	4	—0.40524	4	23	31	—0.98716	5	0.49358	5
—17	—9	0.49117	4	—0.24586	4	24	32	—0.16276	6	0.81377	5
—16	—8	0.29765	4	—0.14922	4	25	33	—0.26834	6	0.13417	6
—15	—7	0.18014	4	—0.90651	3	26	34	—0.44241	6	0.22121	6
—14	—6	0.10871	4	—0.55177	3	27	35	—0.72942	6	0.36471	6
—13	—5	0.65156	3	—0.33722	3	28	46	—0.12026	7	0.60130	6
—12	—4	0.38451	3	—0.20776	3	29	37	—0.19828	7	0.99138	6
—11	—3	0.21898	3	—0.12991	3	30	38	—0.32690	7	0.16345	7
—10	—2	0.11438	3	—0.83253	2	31	39	—0.53897	7	0.26948	7
—9	—1	0.46273	2	—0.55347	2	32	40	—0.88861	7	0.44431	7
—8	0	0				33	41	—0.14651	8	0.73254	7
—7	1	—0.33115	2	0.28451	2	34	42	—0.24155	8	0.12077	8
—6	2	—0.58175	2	0.22153	2	35	43	—0.39825	8	0.19912	8
—5	3	—0.78169	2	0.18118	2	36	44	—0.65660	8	0.32830	8
—4	4	—0.94855	2	0.15426	2	37	45	—0.10825	9	0.54127	8
—3	5	—0.10929	3	0.13546	2	38	46	—0.17848	9	0.89241	8
—2	6	—0.12212	3	0.12176	2	39	47	—0.29427	9	0.14713	9
—1	7	—0.13375	3	0.11135	2	40	48	—0.48517	9	0.24258	9
0	8	—0.14446	3	0.10318	2						

Table 33

$u_B = -7$ $\gamma = 9.12 \cdot 10^{-4}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—33	0.48517	9	—0.24258	9	1	8	—0.87633	2	0.62704	1
—39	—32	0.29427	9	—0.14713	9	2	9	—0.93705	2	0.58902	1
—38	—31	0.17848	9	—0.89241	8	3	10	—0.99448	2	0.56144	1
—37	—30	0.10825	9	—0.54127	8	4	11	—0.10498	3	0.54830	1
—36	—29	0.65666	8	—0.32830	8	5	12	—0.11051	3	0.56334	1
—35	—28	0.39825	8	—0.19912	8	6	13	—0.11646	3	0.64402	1
—34	—27	0.24155	8	—0.12077	8	7	14	—0.12391	3	0.88505	1
—33	—26	0.14651	8	—0.73254	7	8	15	—0.13540	3	0.15057	2
—32	—25	0.88861	7	—0.44431	7	9	16	—0.15669	3	0.29356	2
—31	—24	0.53897	7	—0.26948	7	10	17	—0.19893	3	0.58119	2
—30	—23	0.32690	7	—0.16345	7	11	18	—0.28021	3	0.10880	3
—29	—22	0.19828	7	—0.99138	6	12	19	—0.42719	3	0.19178	3
—28	—21	0.12026	7	—0.60130	6	13	20	—0.68062	3	0.32581	3
—27	—20	0.72942	6	—0.36471	6	14	21	—0.11066	4	0.54388	3
—26	—19	0.44241	6	—0.22121	6	15	22	—0.18144	4	0.90116	3
—25	—18	0.26834	6	—0.13417	6	16	23	—0.29850	4	0.14886	4
—24	—17	0.16275	6	—0.81377	5	17	24	—0.49173	4	0.24562	4
—23	—16	0.98716	5	—0.49358	5	18	25	—0.81047	4	0.40508	4
—22	—15	0.59874	5	—0.29937	5	19	26	—0.13361	5	0.66794	4
—21	—14	0.36315	5	—0.18158	5	20	27	—0.22027	5	0.11013	5
—20	—13	0.22026	5	—0.11013	5	21	28	—0.36316	5	0.18158	5
—19	—12	0.13359	5	—0.66801	4	22	29	—0.59874	5	0.29937	5
—18	—11	0.81023	4	—0.40519	4	23	30	—0.98716	5	0.49358	5
—17	—10	0.49135	4	—0.24579	4	24	31	—0.16275	6	0.81377	5
—16	—9	0.29791	4	—0.14912	4	25	32	—0.26834	6	0.13417	6
—15	—8	0.18053	4	—0.90509	3	26	33	—0.44241	6	0.22121	6
—14	—7	0.10926	4	—0.54983	3	27	34	—0.72942	6	0.36471	6
—13	—6	0.65935	3	—0.33466	3	28	35	—0.12026	7	0.60130	6
—12	—5	0.39519	3	—0.20453	3	29	36	—0.19828	7	0.99138	6
—11	—4	0.23322	3	—0.12601	3	30	37	—0.32690	7	0.16345	7
—10	—3	0.13282	3	—0.78793	2	31	38	—0.53897	7	0.26948	7
—9	—2	0.69377	2	—0.50495	2	32	39	—0.88861	7	0.44431	7
—8	—1	0.28066	2	—0.33570	2	33	40	—0.14651	8	0.73254	7
—7	0	0				34	41	—0.24155	8	0.12077	8
—6	1	—0.20086	2	0.17256	2	35	42	—0.39825	8	0.19912	8
—5	2	—0.35285	2	0.13437	2	36	43	—0.65660	8	0.32830	8
—4	3	—0.47412	2	0.10989	2	37	44	—0.10825	9	0.54127	8
—3	4	—0.57533	2	0.93564	1	38	45	—0.17848	9	0.89241	8
—2	5	—0.66288	2	0.82171	1	39	46	—0.29427	9	0.14713	9
—1	6	—0.74069	2	0.73869	1	40	47	—0.48517	9	0.24258	9
0	7	—0.81128	2	0.67586	1						

Table 34

$u_B = -6$ $\gamma = 2.48 \cdot 10^{-3}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—34	0.48517	9	—0.24258	9	1	7	—0.49230	2	0.41212	1
—39	—33	0.29427	9	—0.14713	9	2	8	—0.53212	2	0.38589	1
—38	—32	0.17848	9	—0.89241	8	3	9	—0.56987	2	0.37154	1
—37	—31	0.10825	9	—0.54127	8	4	10	—0.60708	2	0.37722	1
—36	—30	0.65660	8	—0.32830	8	5	11	—0.64674	2	0.42663	1
—35	—29	0.39825	8	—0.19912	8	6	12	—0.69578	2	0.57982	1
—34	—28	0.24155	8	—0.12077	8	7	13	—0.77057	2	0.97335	1
—33	—27	0.14651	8	—0.73254	7	8	14	—0.90695	2	0.18658	2
—32	—26	0.88861	7	—0.44431	7	9	15	—0.11726	3	0.36270	2
—31	—25	0.53897	7	—0.26948	7	10	16	—0.16756	3	0.66929	2
—30	—24	0.32696	7	—0.16345	7	11	17	—0.25754	3	0.11702	3
—29	—23	0.19828	7	—0.99138	6	12	18	—0.41184	3	0.19808	3
—28	—22	0.12028	7	—0.60130	6	13	19	—0.67058	3	0.33018	3
—27	—21	0.72942	6	—0.36471	6	14	20	—0.11001	4	0.54676	3
—26	—20	0.44241	6	—0.22121	6	15	21	—0.18103	4	0.90302	3
—25	—19	0.26834	6	—0.13417	6	16	22	—0.29824	4	0.14898	4
—24	—18	0.16275	6	—0.81377	5	17	23	—0.49157	4	0.24570	4
—23	—17	0.98716	5	—0.49358	5	18	24	—0.81037	4	0.40513	4
—22	—16	0.59874	5	—0.29937	5	19	25	—0.13360	5	0.66797	4
—21	—15	0.36315	5	—0.18158	5	20	26	—0.22027	5	0.11013	5
—20	—14	0.22026	5	—0.11013	5	21	27	—0.36316	5	0.18158	5
—19	—13	0.13360	5	—0.66800	4	22	28	—0.59874	5	0.29937	5
—18	—12	0.81028	4	—0.40517	4	23	29	—0.98716	5	0.49358	5
—17	—11	0.49143	4	—0.24576	4	24	30	—0.16275	6	0.81377	5
—16	—10	0.29802	4	—0.14908	4	25	31	—0.26834	6	0.13417	6
—15	—9	0.18069	4	—0.90447	3	26	32	—0.44241	6	0.22121	6
—14	—8	0.10950	4	—0.54896	3	27	33	—0.72942	6	0.36471	6
—13	—7	0.66271	3	—0.33349	3	28	34	—0.12026	7	0.60130	6
—12	—6	0.39991	3	—0.20298	3	29	35	—0.19828	7	0.99138	6
—11	—5	0.23969	3	—0.12406	3	30	36	—0.32690	7	0.16345	7
—10	—4	0.14145	3	—0.76431	2	31	37	—0.53897	7	0.26948	7
—9	—3	0.80557	2	—0.47790	2	32	38	—0.88861	7	0.44431	7
—8	—2	0.42079	2	—0.30627	2	33	39	—0.14651	8	0.73254	7
—7	—1	0.17023	2	—0.20361	2	34	40	—0.24155	8	0.12077	8
—6	0					35	41	—0.39825	8	0.19912	8
—5	1	—0.12183	2	0.10467	2	36	42	—0.65660	8	0.32830	8
—4	2	—0.21402	2	0.81499	1	37	43	—0.10825	9	0.54127	8
—3	3	—0.28757	2	0.66660	1	38	44	—0.17848	9	0.89241	8
—2	4	—0.34897	2	0.56783	1	39	45	—0.29427	9	0.14713	9
—1	5	—0.40209	2	0.49874	1	40	46	—0.48517	9	0.24258	9
0	6	—0.44935	2	0.44890	1						

Table 35

$u_B = -5$ $\gamma = 6.74 \cdot 10^{-3}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—35	0.48517	9	—0.24258	9	1	6	—0.27297	2	0.27615	1
—39	—34	0.29427	9	—0.14713	9	2	7	—0.29966	2	0.25973	1
—38	—33	0.17848	9	—0.89241	8	3	8	—0.32542	2	0.25881	1
—37	—32	0.10825	9	—0.54127	8	4	9	—0.35240	2	0.28801	1
—36	—31	0.65660	8	—0.32830	8	5	10	—0.38524	2	0.38524	1
—35	—30	0.39825	8	—0.19912	8	6	11	—0.43445	2	0.63509	1
—34	—29	0.24155	8	—0.12077	8	7	12	—0.52241	2	0.11916	2
—33	—28	0.14651	8	—0.73254	7	8	13	—0.69006	2	0.22675	2
—32	—27	0.88861	7	—0.44431	7	9	14	—0.10016	3	0.41191	2
—31	—26	0.53897	7	—0.26948	7	10	15	—0.15526	3	0.71414	2
—30	—25	0.32690	7	—0.16345	7	11	16	—0.24920	3	0.12043	3
—29	—24	0.19828	7	—0.99138	6	12	17	—0.40636	3	0.20044	3
—28	—23	0.12026	7	—0.60130	6	13	18	—0.66704	3	0.33174	3
—27	—22	0.72942	6	—0.36471	6	14	19	—0.10979	4	0.54778	3
—26	—21	0.44241	6	—0.22121	6	15	20	—0.18088	4	0.90367	3
—25	—20	0.26834	6	—0.13417	6	16	21	—0.29815	4	0.14903	4
—24	—19	0.16275	6	—0.81377	5	17	22	—0.49151	4	0.24572	4
—23	—18	0.98716	5	—0.49358	5	18	23	—0.81033	4	0.40515	4
—22	—17	0.59874	5	—0.29937	5	19	24	—0.13360	5	0.66798	4
—21	—16	0.36315	5	—0.18158	5	20	25	—0.22027	5	0.11013	5
—20	—15	0.22026	5	—0.11013	5	21	26	—0.36316	5	0.18158	5
—19	—14	0.13360	5	—0.66799	4	22	27	—0.59874	5	0.29937	5
—18	—13	0.81030	4	—0.40516	4	23	28	—0.98716	5	0.49358	5
—17	—12	0.49146	4	—0.24575	4	24	29	—0.16275	6	0.81377	5
—16	—11	0.29807	4	—0.14906	4	25	30	—0.26834	6	0.13417	6
—15	—10	0.18076	4	—0.90421	3	26	31	—0.44241	6	0.22121	6
—14	—9	0.10960	4	—0.54859	3	27	32	—0.72942	6	0.36471	6
—13	—8	0.66414	3	—0.33296	3	28	33	—0.12026	7	0.60130	6
—12	—7	0.40195	3	—0.20227	3	29	34	—0.19828	7	0.99138	6
—11	—6	0.24256	3	—0.12312	3	30	35	—0.32690	7	0.16345	7
—10	—5	0.14538	3	—0.75243	2	31	36	—0.53897	7	0.26948	7
—9	—4	0.85796	2	—0.46358	2	32	37	—0.88861	7	0.44431	7
—8	—3	0.48860	2	—0.28986	2	33	38	—0.14651	8	0.73254	7
—7	—2	0.25523	2	—0.18576	2	34	39	—0.24155	8	0.12077	8
—6	—1	0.10325	2	—0.12350	2	35	40	—0.39825	8	0.19912	8
—5	0	0				36	41	—0.65660	8	0.32830	8
—4	1	—0.73894	1	0.63487	1	37	42	—0.10825	9	0.54127	8
—3	2	—0.12982	2	0.49442	1	38	43	—0.17848	9	0.89241	8
—2	3	—0.17445	2	0.40457	1	39	44	—0.29427	9	0.14713	9
—1	4	—0.21173	2	0.34491	1	40	45	—0.48517	9	0.24258	9
0	5	—0.24405	2	0.30405	1						

Table 36

$u_B = -4$ $\gamma = 1.83 \cdot 10^{-2}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—36	0.48517	9	—0.24258	9	1	5	—0.14878	2	0.19132	1
—39	—35	0.29427	9	—0.14713	9	2	6	—0.16745	2	0.18464	1
—38	—34	0.17848	9	—0.89241	8	3	7	—0.18643	2	0.20011	1
—37	—33	0.10825	9	—0.54127	8	4	8	—0.20896	2	0.26120	1
—36	—32	0.65660	8	—0.32830	8	5	9	—0.24187	2	0.41961	1
—35	—31	0.39825	8	—0.19912	8	6	10	—0.29910	2	0.76564	1
—34	—30	0.24155	8	—0.12077	8	7	11	—0.40526	2	0.14203	2
—33	—29	0.14651	8	—0.73254	7	8	12	—0.59844	2	0.25362	2
—32	—28	0.88861	7	—0.44431	7	9	13	—0.93584	2	0.43585	2
—31	—27	0.53897	7	—0.26948	7	10	14	—0.15078	3	0.73221	2
—30	—26	0.32690	7	—0.16345	7	11	15	—0.24625	3	0.12168	3
—29	—25	0.19828	7	—0.99138	6	12	16	—0.40444	3	0.20128	3
—28	—24	0.12026	7	—0.60130	6	13	17	—0.66580	3	0.33228	3
—27	—23	0.72942	6	—0.36471	6	14	18	—0.10971	4	0.54813	3
—26	—22	0.44241	6	—0.22121	6	15	19	—0.18083	4	0.90390	3
—25	—21	0.26834	6	—0.13417	6	16	20	—0.29811	4	0.14904	4
—24	—20	0.16275	6	—0.81377	5	17	21	—0.49149	4	0.24573	4
—23	—19	0.98716	5	—0.49358	5	18	22	—0.81032	4	0.40515	4
—22	—18	0.59874	5	—0.29937	5	19	23	—0.13360	5	0.66798	4
—21	—17	0.36315	5	—0.18158	5	20	24	—0.22026	5	0.11013	5
—20	—16	0.22026	5	—0.11013	5	21	25	—0.36316	5	0.18158	5
—19	—15	0.13360	5	—0.66799	4	22	26	—0.59874	5	0.29937	5
—18	—14	0.81030	4	—0.40516	4	23	27	—0.98716	5	0.49358	5
—17	—13	0.49147	4	—0.24574	4	24	28	—0.16275	6	0.81377	5
—16	—12	0.29808	4	—0.14905	4	25	29	—0.26834	6	0.13417	6
—15	—11	0.18079	4	—0.90410	3	26	30	—0.44241	6	0.22121	6
—14	—10	0.10964	4	—0.54843	3	27	31	—0.72942	6	0.36471	6
—13	—9	0.66473	3	—0.33274	3	28	32	—0.12026	7	0.60130	6
—12	—8	0.40282	3	—0.20195	3	29	33	—0.19828	7	0.99138	6
—11	—7	0.24380	3	—0.12268	3	30	34	—0.32696	7	0.16345	7
—10	—6	0.14712	3	—0.74673	2	31	35	—0.53897	7	0.26948	7
—9	—5	0.88179	2	—0.45637	2	32	36	—0.88861	7	0.44431	7
—8	—4	0.52039	2	—0.28117	2	33	37	—0.14651	8	0.73254	7
—7	—3	0.29636	2	—0.17581	2	34	38	—0.24155	8	0.12077	8
—6	—2	0.15481	2	—0.11267	2	35	39	—0.39825	8	0.19912	8
—5	—1	0.62629	1	—0.74907	1	36	40	—0.65660	8	0.32830	8
—4	0	0				37	41	—0.10825	9	0.54127	8
—3	1	—0.44832	1	0.38527	1	38	42	—0.17848	9	0.89241	8
—2	2	—0.78783	1	0.30036	1	39	43	—0.29427	9	0.14713	9
—1	3	—0.10593	2	0.24653	1	40	44	—0.48517	9	0.24258	9
0	4	—0.12873	2	0.21200	1						

Table 37

$u_B = -3$ $\gamma = 4.98 \cdot 10^{-2}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—37	0.48517	9	—0.24258	9	1	4	—0.79432	1	0.14091	1
—39	—36	0.29427	9	—0.14713	9	2	5	—0.93578	1	0.14581	1
—38	—35	0.17848	9	—0.89241	8	3	6	—0.10964	2	0.18274	1
—37	—34	0.10825	9	—0.54127	8	4	7	—0.13219	2	0.28224	1
—36	—33	0.65660	8	—0.32830	8	5	8	—0.16987	2	0.49579	1
—35	—32	0.39825	8	—0.19912	8	6	9	—0.23741	2	0.89185	1
—34	—31	0.24155	8	—0.12077	8	7	10	—0.35733	2	0.15625	2
—33	—30	0.14651	8	—0.73254	7	8	11	—0.56402	2	0.26603	2
—32	—29	0.88861	7	—0.44431	7	9	12	—0.91233	2	0.44519	2
—31	—28	0.53897	7	—0.26948	7	10	13	—0.14922	3	0.73872	2
—30	—27	0.32690	7	—0.16345	7	11	14	—0.24522	3	0.12212	3
—29	—26	0.19828	7	—0.99138	6	12	15	—0.40378	3	0.20157	3
—28	—25	0.12026	7	—0.60130	6	13	16	—0.66537	3	0.33247	3
—27	—24	0.72942	6	—0.36471	6	14	17	—0.10968	4	0.54825	3
—26	—23	0.44241	6	—0.22121	6	15	18	—0.18081	4	0.90398	3
—25	—22	0.26834	6	—0.13417	6	16	19	—0.29810	4	0.14905	4
—24	—21	0.16275	6	—0.81377	5	17	20	—0.49148	4	0.24574	4
—23	—20	0.98716	5	—0.49358	5	18	21	—0.81031	4	0.40515	4
—22	—19	0.59874	5	—0.29937	5	19	22	—0.13360	5	0.66799	4
—21	—18	0.36315	5	—0.18158	5	20	23	—0.22026	5	0.11013	5
—20	—17	0.22026	5	—0.11013	5	21	24	—0.36316	5	0.18158	5
—19	—16	0.13360	5	—0.66799	4	22	25	—0.59874	5	0.29937	5
—18	—15	0.81031	4	—0.40516	4	23	26	—0.98716	5	0.49358	5
—17	—14	0.49147	4	—0.24574	4	24	27	—0.16275	6	0.81377	5
—16	—13	0.29809	4	—0.14905	4	25	28	—0.26834	6	0.13417	6
—15	—12	0.18080	4	—0.90405	3	26	29	—0.44241	6	0.22121	6
—14	—11	0.10965	4	—0.54836	3	27	30	—0.72942	6	0.36471	6
—13	—10	0.66498	3	—0.33264	3	28	31	—0.12026	7	0.60130	6
—12	—9	0.40318	3	—0.20181	3	29	32	—0.19828	7	0.99138	6
—11	—8	0.24432	3	—0.12249	3	30	33	—0.32690	7	0.16345	7
—10	—7	0.14787	3	—0.74410	2	31	34	—0.53897	7	0.26948	7
—9	—6	0.89234	2	—0.45291	2	32	35	—0.88861	7	0.44431	7
—8	—5	0.53485	2	—0.27680	2	33	36	—0.14651	8	0.73254	7
—7	—4	0.31565	2	—0.17054	2	34	37	—0.24155	8	0.12077	8
—6	—3	0.17977	2	—0.10663	2	35	38	—0.39825	8	0.19912	8
—5	—2	0.93922	1	—0.68339	1	36	39	—0.65660	8	0.32830	8
—4	—1	0.38007	1	—0.45444	1	37	40	—0.10825	9	0.54127	8
—3	0	0				38	41	—0.17848	9	0.89241	8
—2	1	—0.27249	1	0.23455	1	39	42	—0.29427	9	0.14713	9
—1	2	—0.47982	1	0.18429	1	40	43	—0.48517	9	0.24258	9
0	3	—0.64786	1	0.15463	1						

Table 38

$u_B = -2$ $\gamma = 1.35 \cdot 10^{-1}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—38	0.48517	9	—0.24258	9	1	3	—0.41621	1	0.11538	1
—39	—37	0.29427	9	—0.14713	9	2	4	—0.53865	1	0.13466	1
—38	—36	0.17848	9	—0.89241	8	3	5	—0.69914	1	0.19516	1
—37	—35	0.10825	9	—0.54127	8	4	6	—0.95192	1	0.32478	1
—36	—34	0.65660	8	—0.32830	8	5	7	—0.13845	2	0.56217	1
—35	—33	0.39825	8	—0.19912	8	6	8	—0.21306	2	0.96378	1
—34	—32	0.24155	8	—0.12077	8	7	9	—0.33976	2	0.16245	2
—33	—31	0.14651	8	—0.73254	7	8	10	—0.55190	2	0.27072	2
—32	—30	0.88861	7	—0.44431	7	9	11	—0.90418	2	0.44849	2
—31	—29	0.53897	7	—0.26948	7	10	12	—0.14868	3	0.74097	2
—30	—28	0.32690	7	—0.16345	7	11	13	—0.24487	3	0.12227	3
—29	—27	0.19828	7	—0.99138	6	12	14	—0.40355	3	0.20167	3
—28	—26	0.12026	7	—0.60130	6	13	15	—0.66522	3	0.33254	3
—27	—25	0.72942	6	—0.36471	6	14	16	—0.10967	4	0.54830	3
—26	—24	0.44241	6	—0.22121	6	15	17	—0.18081	4	0.90401	3
—25	—23	0.28834	6	—0.13417	6	16	18	—0.29810	4	0.14905	4
—24	—22	0.16275	6	—0.81377	5	17	19	—0.49148	4	0.24574	4
—23	—21	0.98716	5	—0.49358	5	18	20	—0.81031	4	0.40515	4
—22	—20	0.59874	5	—0.29937	5	19	21	—0.13360	5	0.66799	4
—21	—19	0.36316	5	—0.18158	5	20	22	—0.22026	5	0.11013	5
—20	—18	0.22026	5	—0.11013	5	21	23	—0.36316	5	0.18158	5
—19	—17	0.13360	5	—0.66799	4	22	24	—0.59874	5	0.29937	5
—18	—16	0.81031	4	—0.40515	4	23	25	—0.98716	5	0.49358	5
—17	—15	0.49148	4	—0.24574	4	24	26	—0.16275	6	0.81377	5
—16	—14	0.29809	4	—0.14905	4	25	27	—0.26834	6	0.13417	6
—15	—13	0.18080	4	—0.90403	3	26	28	—0.44241	6	0.22121	6
—14	—12	0.10966	4	—0.54833	3	27	29	—0.72942	6	0.36471	6
—13	—11	0.66508	3	—0.33260	3	28	30	—0.12026	7	0.60130	6
—12	—10	0.40333	3	—0.20176	3	29	31	—0.19828	7	0.99138	6
—11	—9	0.24454	3	—0.12241	3	30	32	—0.32690	7	0.16345	7
—10	—8	0.14819	3	—0.74293	2	31	33	—0.53897	7	0.26948	7
—9	—7	0.89693	2	—0.45131	2	32	34	—0.88861	7	0.44431	7
—8	—6	0.54129	2	—0.27469	2	33	35	—0.14651	8	0.73254	7
—7	—5	0.32448	2	—0.16787	2	34	36	—0.24155	8	0.12077	8
—6	—4	0.19154	2	—0.10342	2	35	37	—0.39825	8	0.19912	8
—5	—3	0.10915	2	—0.64661	1	36	38	—0.65660	8	0.32830	8
—4	—2	0.57083	1	—0.41454	1	37	39	—0.10825	9	0.54127	8
—3	—1	0.23146	1	—0.27612	1	38	40	—0.17848	9	0.89241	8
—2	0	0				39	41	—0.29427	9	0.14713	9
—1	1	—0.16779	1	0.14611	1	40	42	—0.48517	9	0.24258	9
0	2	—0.29972	1	0.12101	1						

Table 39

$u_B = -1$ $\gamma = 3.68 \cdot 10^{-1}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—39	0.48517	9	—0.24258	9	1	2	—0.21681	1	0.10841	1
—39	—38	0.29427	9	—0.14713	9	2	3	—0.33896	1	0.14167	1
—38	—37	0.17848	9	—0.89241	8	3	4	—0.51430	1	0.21764	1
—37	—36	0.10825	9	—0.54127	8	4	5	—0.79550	1	0.35783	1
—36	—35	0.65660	8	—0.32830	8	5	6	—0.12627	2	0.59697	1
—35	—34	0.39825	8	—0.19912	8	6	7	—0.20416	2	0.99379	1
—34	—33	0.24155	8	—0.12077	8	7	8	—0.33352	2	0.16476	2
—33	—32	0.14651	8	—0.73254	7	8	9	—0.54763	2	0.27238	2
—32	—31	0.88861	7	—0.44431	7	9	10	—0.90130	2	0.44965	2
—31	—30	0.53897	7	—0.26948	7	10	11	—0.14849	3	0.74176	2
—30	—29	0.32690	7	—0.16345	7	11	12	—0.24474	3	0.12233	3
—29	—28	0.19828	7	—0.99138	6	12	13	—0.40346	3	0.20170	3
—28	—27	0.12026	7	—0.60130	6	13	14	—0.66516	3	0.33256	3
—27	—26	0.72942	6	—0.36471	6	14	15	—0.10966	4	0.54831	3
—26	—25	0.44241	6	—0.22121	6	15	16	—0.18081	4	0.90402	3
—25	—24	0.26834	6	—0.13417	6	16	17	—0.29810	4	0.14905	4
—24	—23	0.16275	6	—0.81377	5	17	18	—0.49148	4	0.24574	4
—23	—22	0.98716	5	—0.49358	5	18	19	—0.81031	4	0.40515	4
—22	—21	0.59874	5	—0.29937	5	19	20	—0.13360	5	0.66799	4
—21	—20	0.36316	5	—0.18158	5	20	21	—0.22026	5	0.11013	5
—20	—19	0.22026	5	—0.11013	5	21	22	—0.36316	5	0.18158	5
—19	—18	0.13360	5	—0.66799	4	22	23	—0.59874	5	0.29937	5
—18	—17	0.81031	4	—0.40515	4	23	24	—0.98716	5	0.49358	5
—17	—16	0.49148	4	—0.24574	4	24	25	—0.16275	6	0.81377	5
—16	—15	0.29810	4	—0.14905	4	25	26	—0.26834	6	0.13417	6
—15	—14	0.18080	4	—0.90403	3	26	27	—0.44241	6	0.22121	6
—14	—13	0.10966	4	—0.54832	3	27	28	—0.72942	6	0.36471	6
—13	—12	0.66512	3	—0.33258	3	28	29	—0.12026	7	0.60130	6
—12	—11	0.40339	3	—0.20173	3	29	30	—0.19828	7	0.99138	6
—11	—10	0.24464	3	—0.12237	3	30	31	—0.32690	7	0.16345	7
—10	—9	0.14833	3	—0.74240	2	31	32	—0.53897	7	0.26948	7
—9	—8	0.89895	2	—0.45056	2	32	33	—0.88861	7	0.44431	7
—8	—7	0.54419	2	—0.27367	2	33	34	—0.14651	8	0.73254	7
—7	—6	0.32855	2	—0.16653	2	34	35	—0.24155	8	0.12077	8
—6	—5	0.19713	2	—0.10173	2	35	36	—0.39825	8	0.19912	8
—5	—4	0.11659	2	—0.62637	1	36	37	—0.65660	8	0.32830	8
—4	—3	0.66693	1	—0.39157	1	37	38	—0.10825	9	0.54127	8
—3	—2	0.35140	1	—0.25164	1	38	39	—0.17848	9	0.89241	8
—2	—1	0.14449	1	—0.16967	1	39	40	—0.29427	9	0.14713	9
—1	0	0				40	41	—0.48517	9	0.24258	9
0	1	—0.11244	1	0.10452	1						

Table 40

$u_B = 0$ $\gamma = 1.0 \cdot 10^0$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—40	0.48517	9	—0.24258	9	1	1	—0.10422	1	0.11276	1
—39	—39	0.29427	9	—0.14713	9	2	2	—0.23504	1	0.15431	1
—38	—38	0.17848	9	—0.89241	8	3	3	—0.42586	1	0.23524	1
—37	—37	0.10825	9	—0.54127	8	4	4	—0.72537	1	0.37622	1
—36	—36	0.65660	8	—0.32830	8	5	5	—0.12100	2	0.61323	1
—35	—35	0.39825	8	—0.19912	8	6	6	—0.20036	2	0.10068	2
—34	—34	0.24155	8	—0.12077	8	7	7	—0.33085	2	0.16573	2
—33	—33	0.14651	8	—0.73254	7	8	8	—0.54580	2	0.27308	2
—32	—32	0.88861	7	—0.44431	7	9	9	—0.90006	2	0.45014	2
—31	—31	0.53897	7	—0.26948	7	10	10	—0.14841	3	0.74210	2
—30	—30	0.32690	7	—0.16345	7	11	11	—0.24469	3	0.12235	3
—29	—29	0.19828	7	—0.99138	6	12	12	—0.40343	3	0.20172	3
—28	—28	0.12026	7	—0.60130	6	13	13	—0.66514	3	0.33257	3
—27	—27	0.72942	6	—0.36471	6	14	14	—0.10966	4	0.54832	3
—26	—26	0.44241	6	—0.22121	6	15	15	—0.18080	4	0.90402	3
—25	—25	0.26834	6	—0.13417	6	16	16	—0.29810	4	0.14905	4
—24	—24	0.16275	6	—0.81377	5	17	17	—0.49148	4	0.24574	4
—23	—23	0.98716	5	—0.49358	5	18	18	—0.81031	4	0.40515	4
—22	—22	0.59874	5	—0.29937	5	19	19	—0.13360	5	0.66799	4
—21	—21	0.36316	5	—0.18158	5	20	20	—0.22026	5	0.11013	5
—20	—20	0.22026	5	—0.11013	5	21	21	—0.36316	5	0.18158	5
—19	—19	0.13360	5	—0.66799	4	22	22	—0.59874	5	0.29937	5
—18	—18	0.81031	4	—0.40515	4	23	23	—0.98716	5	0.49358	5
—17	—17	0.49148	4	—0.24574	4	24	24	—0.16275	6	0.81377	5
—16	—16	0.29810	4	—0.14905	4	25	25	—0.26834	6	0.13417	6
—15	—15	0.18080	4	—0.90402	3	26	26	—0.44241	6	0.22121	6
—14	—14	0.10966	4	—0.54832	3	27	27	—0.72942	6	0.36471	6
—13	—13	0.66514	3	—0.33257	3	28	28	—0.12026	7	0.60130	6
—12	—12	0.40343	3	—0.20172	3	29	29	—0.19828	7	0.99138	6
—11	—11	0.24469	3	—0.12235	3	30	30	—0.32690	7	0.16345	7
—10	—10	0.14841	3	—0.74210	2	31	31	—0.53897	7	0.26948	7
—9	—9	0.90006	2	—0.45014	2	32	32	—0.88861	7	0.44431	7
—8	—8	0.54580	2	—0.27308	2	33	33	—0.14651	8	0.73254	7
—7	—7	0.33085	2	—0.16573	2	34	34	—0.24155	8	0.12077	8
—6	—6	0.20036	2	—0.10068	2	35	35	—0.39825	8	0.19912	8
—5	—5	0.12100	2	—0.61323	1	36	36	—0.65660	8	0.32830	8
—4	—4	0.72537	1	—0.37622	1	37	37	—0.10825	9	0.54127	8
—3	—3	0.42586	1	—0.23524	1	38	38	—0.17848	9	0.89241	8
—2	—2	0.23504	1	—0.15431	1	39	39	—0.29427	9	0.14713	9
—1	—1	0.10422	1	—0.11276	1	40	40	—0.48517	9	0.24258	9
0	0	0									

Table 41

$u_B = 1$ $\gamma = 2.72 \cdot 10^0$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—41	0.48517	9	—0.24258	9	1	0	0.0			
—39	—40	0.29427	9	—0.14713	9	2	1	—0.14449	1	0.16967	1
—38	—39	0.17848	9	—0.89241	8	3	2	—0.35140	1	0.25164	1
—37	—38	0.10825	9	—0.54127	8	4	3	—0.66693	1	0.39157	1
—36	—37	0.65660	8	—0.32830	8	5	4	—0.11659	2	0.62637	1
—35	—36	0.39825	8	—0.19912	8	6	5	—0.19713	2	0.10173	2
—34	—35	0.24155	8	—0.12077	8	7	6	—0.32855	2	0.16653	2
—33	—34	0.14651	8	—0.73254	7	8	7	—0.54419	2	0.27367	2
—32	—33	0.88861	7	—0.44431	7	9	8	—0.89895	2	0.45056	2
—31	—32	0.53897	7	—0.26948	7	10	9	—0.14833	3	0.74240	2
—30	—31	0.32690	7	—0.16345	7	11	10	—0.24464	3	0.12237	3
—29	—30	0.19828	7	—0.99138	6	12	11	—0.40339	3	0.20173	3
—28	—29	0.12026	7	—0.60130	6	13	12	—0.66512	3	0.33258	3
—27	—28	0.72942	6	—0.36471	6	14	13	—0.10966	4	0.54832	3
—26	—27	0.44241	6	—0.22121	6	15	14	—0.18080	4	0.90403	3
—25	—26	0.26834	6	—0.13417	6	16	15	—0.29810	4	0.14905	4
—24	—25	0.16275	6	—0.81377	5	17	16	—0.49148	4	0.24574	4
—23	—24	0.98716	5	—0.49358	5	18	17	—0.81031	4	0.40515	4
—22	—23	0.59874	5	—0.29937	5	19	18	—0.13360	5	0.66799	4
—21	—22	0.36316	5	—0.18158	5	20	19	—0.22026	5	0.11013	5
—20	—21	0.22026	5	—0.11013	5	21	20	—0.36316	5	0.18158	5
—19	—20	0.13360	5	—0.66799	4	22	21	—0.59874	5	0.29937	5
—18	—19	0.81031	4	—0.40515	4	23	22	—0.98716	5	0.49358	5
—17	—18	0.49148	4	—0.24574	4	24	23	—0.16275	6	0.81377	5
—16	—17	0.29810	4	—0.14905	4	25	24	—0.26834	6	0.13417	6
—15	—16	0.18081	4	—0.90402	3	26	25	—0.44241	6	0.22121	6
—14	—15	0.10966	4	—0.54831	3	27	26	—0.72942	6	0.36471	6
—13	—14	0.66516	3	—0.33256	3	28	27	—0.12026	7	0.60130	6
—12	—13	0.40346	3	—0.20170	3	29	28	—0.19828	7	0.99138	6
—11	—12	0.24474	3	—0.12233	3	30	29	—0.32690	7	0.16345	7
—10	—11	0.14849	3	—0.74176	2	31	30	—0.53897	7	0.26948	7
—9	—10	0.90130	2	—0.44965	2	32	31	—0.88861	7	0.44431	7
—8	—9	0.54763	2	—0.27238	2	33	32	—0.14651	8	0.73254	7
—7	—8	0.33352	2	—0.16476	2	34	33	—0.24155	8	0.12077	8
—6	—7	0.20416	2	—0.99379	1	35	34	—0.39825	8	0.19912	8
—5	—6	0.12627	2	—0.59697	1	36	35	—0.65660	8	0.32830	8
—4	—5	0.79550	1	—0.35783	1	37	36	—0.10825	9	0.54127	8
—3	—4	0.51430	1	—0.21764	1	38	37	—0.17848	9	0.89241	8
—2	—3	0.33896	1	—0.14167	1	39	38	—0.29427	9	0.14713	9
—1	—2	0.21681	1	—0.10841	1	40	39	—0.48517	9	0.24258	9
0	—1	0.11244	1	—0.10452	1						

Table 42

$u_B = 2$ $\gamma = 7.39 \cdot 10^0$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—42	0.48517	9	—0.24258	9	1	—1	0.16779	1	—0.14611	1
—39	—41	0.29427	9	—0.14713	9	2	0	0			
—38	—40	0.17848	9	—0.89241	8	3	1	—0.23146	1	0.27612	1
—37	—39	0.10825	9	—0.54127	8	4	2	—0.57083	1	0.41454	1
—36	—38	0.65660	8	—0.32830	8	5	3	—0.10915	2	0.64661	1
—35	—37	0.39825	8	—0.19912	8	6	4	—0.19154	2	0.10342	2
—34	—36	0.24155	8	—0.12077	8	7	5	—0.32448	2	0.16787	2
—33	—35	0.14651	8	—0.73254	7	8	6	—0.54129	2	0.27469	2
—32	—34	0.88861	7	—0.44431	7	9	7	—0.89693	2	0.45131	2
—31	—33	0.53897	7	—0.26948	7	10	8	—0.14819	3	0.74293	2
—30	—32	0.32690	7	—0.16345	7	11	9	—0.24454	3	0.12241	3
—29	—31	0.19828	7	—0.99138	6	12	10	—0.40333	3	0.20176	3
—28	—30	0.12026	7	—0.60130	6	13	11	—0.66508	3	0.33260	3
—27	—29	0.72942	6	—0.36471	6	14	12	—0.10966	4	0.54833	3
—26	—28	0.44241	6	—0.22121	6	15	13	—0.18080	4	0.90403	3
—25	—27	0.26834	6	—0.13417	6	16	14	—0.29809	4	0.14905	4
—24	—26	0.16275	6	—0.81377	5	17	15	—0.49148	4	0.24574	4
—23	—25	0.98716	5	—0.49358	5	18	16	—0.81031	4	0.40515	4
—22	—24	0.59874	5	—0.29937	5	19	17	—0.13360	5	0.66799	4
—21	—23	0.36316	5	—0.18158	5	20	18	—0.22026	5	0.11013	5
—20	—22	0.22026	5	—0.11013	5	21	19	—0.36316	5	0.18158	5
—19	—21	0.13360	5	—0.66799	4	22	20	—0.59874	5	0.29937	5
—18	—20	0.81031	4	—0.40515	4	23	21	—0.98716	5	0.49358	5
—17	—19	0.49148	4	—0.24574	4	24	22	—0.16275	6	0.81377	5
—16	—18	0.29810	4	—0.14905	4	25	23	—0.26834	6	0.13417	6
—15	—17	0.18081	4	—0.90401	3	26	24	—0.44241	6	0.22121	6
—14	—16	0.10967	4	—0.54830	3	27	25	—0.72942	6	0.36471	6
—13	—15	0.66522	3	—0.33254	3	28	26	—0.12026	7	0.60130	6
—12	—14	0.40355	3	—0.20167	3	29	27	—0.19828	7	0.99138	6
—11	—13	0.24487	3	—0.12227	3	30	28	—0.32690	7	0.16345	7
—10	—12	0.14868	3	—0.74097	2	31	29	—0.53897	7	0.26948	7
—9	—11	0.90418	2	—0.44849	2	32	30	—0.88861	7	0.44431	7
—8	—10	0.55190	2	—0.27072	2	33	31	—0.14651	8	0.73254	7
—7	—9	0.33976	2	—0.16245	2	34	32	—0.24155	8	0.12077	8
—6	—8	0.21306	2	—0.96378	1	35	33	—0.39825	8	0.19921	8
—5	—7	0.13845	2	—0.56217	1	36	34	—0.65660	8	0.32830	8
—4	—6	0.95192	1	—0.32478	1	37	35	—0.10825	9	0.54127	8
—3	—5	0.69914	1	—0.19516	1	38	36	—0.17848	9	0.89241	8
—2	—4	0.53865	1	—0.13466	1	39	37	—0.29427	9	0.14713	9
—1	—3	0.41621	1	—0.11538	1	40	38	—0.48517	9	0.24258	9
0	—2	0.29972	1	—0.12101	1						

Table 43

$u_B = 3 \qquad \gamma = 2.01 \cdot 10^1$

u_S	Y	$F(Y,\gamma)$		dF/dY		u_S	Y	$F(Y,\gamma)$		dF/dY	
—40	—43	0.48517	9	—0.24258	9	1	—2	0.47982	1	—0.18429	1
—39	—42	0.29427	9	—0.14713	9	2	—1	0.27249	1	—0.23455	1
—38	—41	0.17848	9	—0.89241	8	3	0	0			
—37	—40	0.10825	9	—0.54127	8	4	1	—0.38007	1	0.45444	1
—36	—39	0.65660	8	—0.32830	8	5	2	—0.93922	1	0.68339	1
—35	—38	0.39825	8	—0.19912	8	6	3	—0.17977	2	0.10663	2
—34	—37	0.24155	8	—0.12077	8	7	4	—0.31565	2	0.17054	2
—33	—36	0.14651	8	—0.73254	7	8	5	—0.53485	2	0.27680	2
—32	—35	0.88861	7	—0.44431	7	9	6	—0.89234	2	0.45291	2
—31	—34	0.53897	7	—0.26948	7	10	7	—0.14787	3	0.74410	2
—30	—33	0.32690	7	—0.16345	7	11	8	—0.24432	3	0.12249	3
—29	—32	0.19828	7	—0.99138	6	12	9	—0.40318	3	0.20181	3
—28	—31	0.12026	7	—0.60130	6	13	10	—0.66498	3	0.33264	3
—27	—30	0.72942	6	—0.36471	6	14	11	—0.10965	4	0.54836	3
—26	—29	0.44241	6	—0.22121	6	15	12	—0.18080	4	0.90405	3
—25	—28	0.26834	6	—0.13417	6	16	13	—0.29809	4	0.14905	4
—24	—27	0.16275	6	—0.81377	5	17	14	—0.49147	4	0.24574	4
—23	—26	0.98716	5	—0.49358	5	18	15	—0.81031	4	0.40516	4
—22	—25	0.59874	5	—0.29937	5	19	16	—0.13360	5	0.66799	4
—21	—24	0.36316	5	—0.18158	5	20	17	—0.22026	5	0.11013	5
—20	—23	0.22026	5	—0.11013	5	21	18	—0.36315	5	0.18158	5
—19	—22	0.13360	5	—0.66799	4	22	19	—0.59874	5	0.29937	5
—18	—21	0.81031	4	—0.40515	4	23	20	—0.98716	5	0.49358	5
—17	—20	0.49148	4	—0.24574	4	24	21	—0.16275	6	0.81377	5
—16	—19	0.29810	4	—0.14905	4	25	22	—0.26834	6	0.13417	6
—15	—18	0.18081	4	—0.90398	3	25	23	—0.44241	6	0.22121	6
—14	—17	0.10968	4	—0.54825	3	27	24	—0.72942	6	0.36471	6
—13	—16	0.66537	3	—0.33247	3	28	25	—0.12026	7	0.60130	6
—12	—15	0.40378	3	—0.20157	3	29	26	—0.19828	7	0.99138	6
—11	—14	0.24522	3	—0.12212	3	30	27	—0.32690	7	0.16345	7
—10	—13	0.14922	3	—0.73872	2	31	28	—0.53897	7	0.26948	7
—9	—12	0.91233	2	—0.44519	2	32	29	—0.88861	7	0.44431	7
—8	—11	0.56402	2	—0.26603	2	33	30	—0.14651	8	0.73254	7
—7	—10	0.35733	2	—0.15625	2	34	31	—0.24155	8	0.12077	8
—6	—9	0.23741	2	—0.89185	1	35	32	—0.39825	8	0.19912	8
—5	—8	0.16987	2	—0.49579	1	36	33	—0.65660	8	0.32830	8
—4	—7	0.13219	2	—0.28224	1	37	34	—0.10825	9	0.54127	8
—3	—6	0.10964	2	—0.18274	1	38	35	—0.17848	9	0.89241	8
—2	—5	0.93578	1	—0.14581	1	39	36	—0.29427	9	0.14713	9
—1	—4	0.79432	1	—0.14091	1	40	37	—0.48517	9	0.24258	9
0	—3	0.64786	1	—0.15463	1						

Table 44

$u_B = 4$ $\gamma = 5.46 \cdot 10^1$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—44	0.48517	9	—0.24258	9	1	—3	0.10593	2	—0.24653	1
—39	—43	0.29427	9	—0.14713	9	2	—2	0.78783	1	—0.30036	1
—38	—42	0.17848	9	—0.89241	8	3	—1	0.44832	1	—0.38527	1
—37	—41	0.10825	9	—0.54127	8	4	0	0			
—36	—40	0.65660	8	—0.32830	8	5	1	—0.62629	1	0.74907	1
—35	—39	0.39825	8	—0.19912	8	6	2	—0.15481	2	0.11267	2
—34	—38	0.24155	8	—0.12077	8	7	3	—0.29636	2	0.17581	2
—33	—37	0.14651	8	—0.73254	7	8	4	—0.52039	2	0.28117	2
—32	—36	0.88861	7	—0.44431	7	9	5	—0.88178	2	0.45637	2
—31	—35	0.53897	7	—0.26948	7	10	6	—0.14712	3	0.74673	2
—30	—34	0.32690	7	—0.16345	7	11	7	—0.24380	3	0.12268	3
—29	—33	0.19828	7	—0.99138	6	12	8	—0.40282	3	0.20195	3
—28	—32	0.12026	7	—0.60130	6	13	9	—0.66473	3	0.33274	3
—27	—31	0.72942	6	—0.36471	6	14	10	—0.10964	4	0.54843	3
—26	—30	0.44241	6	—0.22121	6	15	11	—0.18079	4	0.90410	3
—25	—29	0.26834	6	—0.13417	6	16	12	—0.29808	4	0.14905	4
—24	—28	0.16275	6	—0.81377	5	17	13	—0.49147	4	0.24574	4
—23	—27	0.98716	5	—0.49358	5	18	14	—0.81030	4	0.40516	4
—22	—26	0.59874	5	—0.29937	5	19	15	—0.13360	5	0.66799	4
—21	—25	0.36316	5	—0.18158	5	20	16	—0.22026	5	0.11013	5
—20	—24	0.22026	5	—0.11013	5	21	17	—0.36315	5	0.18158	5
—19	—23	0.13360	5	—0.66798	4	22	18	—0.59874	5	0.29937	5
—18	—22	0.81032	4	—0.40515	4	23	19	—0.98716	5	0.49358	5
—17	—21	0.49149	4	—0.24573	4	24	20	—0.16275	6	0.81377	5
—16	—20	0.29811	4	—0.14904	4	25	21	—0.26834	6	0.13417	6
—15	—19	0.18083	4	—0.90390	3	26	22	—0.44241	6	0.22121	6
—14	—18	0.10971	4	—0.54813	3	27	23	—0.72942	6	0.36471	6
—13	—17	0.66580	3	—0.33228	3	28	24	—0.12026	7	0.60130	6
—12	—16	0.40444	3	—0.20128	3	29	25	—0.19828	7	0.99138	6
—11	—15	0.24625	3	—0.12168	3	30	26	—0.32690	7	0.16345	7
—10	—14	0.15078	3	—0.73221	2	31	27	—0.53897	7	0.26948	7
—9	—13	0.93584	2	—0.43585	2	32	28	—0.88861	7	0.44431	7
—8	—12	0.59844	2	—0.25362	2	33	29	—0.14651	8	0.73254	7
—7	—11	0.40526	2	—0.14203	2	34	30	—0.24155	8	0.12077	8
—6	—10	0.29910	2	—0.76564	1	35	31	—0.39825	8	0.19912	8
—5	—9	0.24187	2	—0.41961	1	36	32	—0.65660	8	0.32830	8
—4	—8	0.20896	2	—0.26120	1	37	33	—0.10825	9	0.54127	8
—3	—7	0.18643	2	—0.20011	1	38	34	—0.17848	9	0.89241	8
—2	—6	0.16745	2	—0.18464	1	39	35	—0.29427	9	0.14713	9
—1	—5	0.14878	2	—0.19132	1	40	36	—0.48517	9	0.24258	9
0	—4	0.12873	2	—0.21200	1						

Table 45

$u_B = 5$ $\gamma = 1.48 \cdot 10^2$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—45	0.48517	9	—0.24258	9	1	—4	0.21173	2	—0.34491	1
—39	—44	0.29427	9	—0.14713	9	2	—3	0.17445	2	—0.40457	1
—38	—43	0.17848	9	—0.89241	8	3	—2	0.12982	2	—0.49442	1
—37	—42	0.10825	9	—0.54127	8	4	—1	0.73894	1	—0.63487	1
—36	—41	0.65660	8	—0.32830	8	5	0	0			
—35	—40	0.39825	8	—0.19912	8	6	1	—0.10325	2	0.12350	2
—34	—39	0.24155	8	—0.12077	8	7	2	—0.25523	2	0.18576	2
—33	—38	0.14651	8	—0.73254	7	8	3	—0.48860	2	0.28986	2
—32	—37	0.88861	7	—0.44431	7	9	4	—0.85796	2	0.46358	2
—31	—36	0.53897	7	—0.26948	7	10	5	—0.14538	3	0.75243	2
—30	—35	0.32690	7	—0.16345	7	11	6	—0.24256	3	0.12312	3
—29	—34	0.19828	7	—0.99138	6	12	7	—0.40195	3	0.20227	3
—28	—33	0.12026	7	—0.60130	6	13	8	—0.66414	3	0.33296	3
—27	—32	0.72942	6	—0.36471	6	14	9	—0.10960	4	0.54859	3
—26	—31	0.44241	6	—0.22121	6	15	10	—0.18076	4	0.90421	3
—25	—30	0.26834	6	—0.13417	6	16	11	—0.29807	4	0.14906	4
—24	—29	0.16275	6	—0.81377	5	17	12	—0.49146	4	0.24575	4
—23	—28	0.98716	5	—0.49358	5	18	13	—0.81030	4	0.40516	4
—22	—27	0.59874	5	—0.29937	5	19	14	—0.13360	5	0.66799	4
—21	—26	0.36316	5	—0.18158	5	20	15	—0.22026	5	0.11013	5
—20	—25	0.22027	5	—0.11013	5	21	16	—0.36315	5	0.18158	5
—19	—24	0.13360	5	—0.66798	4	22	17	—0.59874	5	0.29937	5
—18	—23	0.81033	4	—0.40515	4	23	18	—0.98716	5	0.49358	5
—17	—22	0.49151	4	—0.24572	4	24	19	—0.16275	6	0.81377	5
—16	—21	0.29815	4	—0.14903	4	25	20	—0.26834	6	0.13417	6
—15	—20	0.18088	4	—0.90367	3	26	21	—0.44241	6	0.22121	6
—14	—19	0.10979	4	—0.54778	3	27	22	—0.72942	6	0.36471	6
—13	—18	0.66704	3	—0.33174	3	28	23	—0.12026	7	0.60130	6
—12	—17	0.40636	3	—0.20044	3	29	24	—0.19828	7	0.99138	6
—11	—16	0.24920	3	—0.12043	3	30	25	—0.32690	7	0.16345	7
—10	—15	0.15526	3	—0.71414	2	31	26	—0.53897	7	0.26948	7
—9	—14	0.10016	3	—0.41191	2	32	27	—0.88861	7	0.44431	7
—8	—13	0.69006	2	—0.22675	2	33	28	—0.14651	8	0.73254	7
—7	—12	0.52241	2	—0.11916	2	34	29	—0.24155	8	0.12077	8
—6	—11	0.43445	2	—0.63509	1	35	30	—0.39825	8	0.19912	8
—5	—10	0.38524	2	—0.38524	1	36	31	—0.65660	8	0.32830	8
—4	—9	0.35240	2	—0.28801	1	37	32	—0.10825	9	0.54127	8
—3	—8	0.32542	2	—0.25881	1	38	33	—0.17848	9	0.89241	8
—2	—7	0.29966	2	—0.25973	1	39	34	—0.29427	9	0.14713	9
—1	—6	0.27297	2	—0.27615	1	40	35	—0.48517	9	0.24258	9
0	—5	0.24405	2	—0.30405	1						

Table 46

$u_B = 6$ $\gamma = 4.03 \cdot 10^2$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—46	0.48517	9	—0.24258	9	1	—5	0.40209	2	—0.49874	1
—39	—45	0.29427	9	—0.14713	9	2	—4	0.34897	2	—0.56763	1
—38	—44	0.17848	9	—0.89241	8	3	—3	0.28757	2	—0.66660	1
—37	—43	0.10825	9	—0.54127	8	4	—2	0.21402	2	—0.81499	1
—36	—42	0.65660	8	—0.32830	8	5	—1	0.12183	2	—0.10467	2
—35	—41	0.39825	8	—0.19912	8	6	0	0			
—34	—40	0.24155	8	—0.12077	8	7	1	—0.17023	2	0.20361	2
—33	—39	0.14651	8	—0.73254	7	8	2	—0.42079	2	0.30627	2
—32	—38	0.88861	7	—0.44431	7	9	3	—0.80557	2	0.47790	2
—31	—37	0.53897	7	—0.26948	7	10	4	—0.14145	3	0.76431	2
—30	—36	0.32690	7	—0.16345	7	11	5	—0.23969	3	0.12406	3
—29	—35	0.19828	7	—0.99138	6	12	6	—0.39991	3	0.20298	3
—28	—34	0.12026	7	—0.60130	6	13	7	—0.66271	3	0.33349	3
—27	—33	0.72942	6	—0.36471	6	14	8	—0.10950	4	0.54896	3
—26	—32	0.44241	6	—0.22121	6	15	9	—0.18069	4	0.90447	3
—25	—31	0.26834	6	—0.13417	6	16	10	—0.29802	4	0.14908	4
—24	—30	0.16275	6	—0.81377	5	17	11	—0.49143	4	0.24576	4
—23	—29	0.98716	5	—0.49358	5	18	12	—0.81028	4	0.40517	4
—22	—28	0.59874	5	—0.29937	5	19	13	—0.13360	5	0.66800	4
—21	—27	0.36316	5	—0.18158	5	20	14	—0.22026	5	0.11013	5
—20	—26	0.22027	5	—0.11013	5	21	15	—0.36315	5	0.18158	5
—19	—25	0.13360	5	—0.66797	4	22	16	—0.59874	5	0.29937	5
—18	—24	0.81037	4	—0.40513	4	23	17	—0.98716	5	0.49358	5
—17	—23	0.49157	4	—0.24570	4	24	18	—0.16275	6	0.81377	5
—16	—22	0.29824	4	—0.14898	4	25	19	—0.26834	6	0.13417	6
—15	—21	0.18103	4	—0.90302	3	26	20	—0.44241	6	0.22121	6
—14	—20	0.11001	4	—0.54676	3	27	21	—0.72942	6	0.36471	6
—13	—19	0.67058	3	—0.33018	3	28	22	—0.12026	7	0.60130	6
—12	—18	0.41184	3	—0.19808	3	29	23	—0.19828	7	0.99138	6
—11	—17	0.25754	3	—0.11702	3	30	24	—0.32690	7	0.16345	7
—10	—16	0.16756	3	—0.66929	2	31	25	—0.53897	7	0.26948	7
—9	—15	0.11726	3	—0.36271	2	32	26	—0.88861	7	0.44431	7
—8	—14	0.90695	2	—0.18658	2	33	27	—0.14651	8	0.73254	7
—7	—13	0.77057	2	—0.97335	1	34	28	—0.24155	8	0.12077	8
—6	—12	0.69578	2	—0.57982	1	35	29	—0.39825	8	0.19912	8
—5	—11	0.64674	2	—0.42664	1	36	30	—0.65660	8	0.32830	8
—4	—10	0.60708	2	—0.37722	1	37	31	—0.10825	9	0.54127	8
—3	—9	0.56987	2	—0.37154	1	38	32	—0.17848	9	0.89241	8
—2	—8	0.53212	2	—0.38589	1	39	33	—0.29427	9	0.14713	9
—1	—7	0.49230	2	—0.41212	1	40	34	—0.48517	9	0.24258	9
0	—6	0.44935	2	—0.44890	1						

Table 47

$u_B = 7$ $\gamma = 1.10 \cdot 10^3$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—47	0.48517	9	—0.24258	9	1	—6	0.74069	2	—0.73869	1
—39	—46	0.29427	9	—0.14713	9	2	—5	0.66288	2	—0.82171	1
—38	—45	0.17848	9	—0.89241	8	3	—4	0.57533	2	—0.93564	1
—37	—44	0.10825	9	—0.54127	8	4	—3	0.47412	2	—0.10989	2
—36	—43	0.65660	8	—0.32830	8	5	—2	0.35285	2	—0.13437	2
—35	—42	0.39825	8	—0.19912	8	6	—1	0.20086	2	—0.17256	2
—34	—41	0.24155	8	—0.12077	8	7	0	0			
—33	—40	0.14651	8	—0.73254	7	8	1	—0.28066	2	0.33570	2
—32	—39	0.88861	7	—0.44431	7	9	2	—0.69377	2	0.50495	2
—31	—38	0.53897	7	—0.26948	7	10	3	—0.13282	3	0.78793	2
—30	—37	0.32690	7	—0.16345	7	11	4	—0.23322	3	0.12601	3
—29	—36	0.19828	7	—0.99138	6	12	5	—0.39519	3	0.20453	3
—28	—35	0.12026	7	—0.60130	6	13	6	—0.65935	3	0.33466	3
—27	—34	0.72942	6	—0.36471	6	14	7	—0.10926	4	0.54983	3
—26	—33	0.44241	6	—0.22121	6	15	8	—0.18053	4	0.90509	3
—25	—32	0.26834	6	—0.13417	6	16	9	—0.29791	4	0.14912	4
—24	—31	0.16275	6	—0.81377	5	17	10	—0.49135	4	0.24579	4
—23	—30	0.98716	5	—0.49358	5	18	11	—0.81023	4	0.40519	4
—22	—29	0.59874	5	—0.29937	5	19	12	—0.13359	5	0.66801	4
—21	—28	0.36316	5	—0.18158	5	20	13	—0.22026	5	0.11013	5
—20	—27	0.22027	5	—0.11013	5	21	14	—0.36315	5	0.18158	5
—19	—26	0.13361	5	—0.66794	4	22	15	—0.59874	5	0.29937	5
—18	—25	0.81047	4	—0.40508	4	23	16	—0.98716	5	0.49358	5
—17	—24	0.49173	4	—0.24562	4	24	17	—0.16275	6	0.81377	5
—16	—23	0.29850	4	—0.14886	4	25	18	—0.26834	6	0.13417	6
—15	—22	0.18144	4	—0.90116	3	26	19	—0.44241	6	0.22121	6
—14	—21	0.11066	4	—0.54388	3	27	20	—0.72942	6	0.36471	6
—13	—20	0.68062	3	—0.32581	3	28	21	—0.12026	7	0.60130	6
—12	—19	0.42719	3	—0.19178	3	29	22	—0.19828	7	0.99138	6
—11	—18	0.28021	3	—0.10880	3	30	23	—0.32690	7	0.16345	7
—10	—17	0.19893	3	—0.58119	2	31	24	—0.53897	7	0.26948	7
—9	—16	0.15669	3	—0.29356	2	32	25	—0.88861	7	0.44431	7
—8	—15	0.13540	3	—0.15057	2	33	26	—0.14651	8	0.73254	7
—7	—14	0.12391	3	—0.88505	1	34	27	—0.24155	8	0.12077	8
—6	—13	0.11646	3	—0.64402	1	35	28	—0.39825	8	0.19912	8
—5	—12	0.11051	3	—0.56334	1	36	29	—0.65660	8	0.32830	8
—4	—11	0.10498	3	—0.54830	1	37	30	—0.10825	9	0.54127	8
—3	—10	0.99448	2	—0.56144	1	38	31	—0.17848	9	0.89241	8
—2	—9	0.93705	2	—0.58902	1	39	32	—0.29427	9	0.14713	9
—1	—8	0.87633	2	—0.62704	1	40	33	—0.48517	9	0.24258	9
0	—7	0.81128	2	—0.67586	1						

Table 48

$u_B = 8$ $\gamma = 2.98 \cdot 10^3$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—48	0.48517	9	—0.24258	9	1	—7	0.13375	3	—0.11135	2
—39	—47	0.29427	9	—0.14713	9	2	—6	0.12212	3	—0.12176	2
—38	—46	0.17848	9	—0.89241	8	3	—5	0.10929	3	—0.13546	2
—37	—45	0.10825	9	—0.54127	8	4	—4	0.94855	2	—0.15426	2
—36	—44	0.65660	8	—0.32830	8	5	—3	0.78169	2	—0.18118	2
—35	—43	0.39825	8	—0.19912	8	6	—2	0.58175	2	—0.22153	2
—34	—42	0.24155	8	—0.12077	8	7	—1	0.33115	2	—0.28451	2
—33	—41	0.14651	8	—0.73254	7	8	0	0			
—32	—40	0.88861	7	—0.44431	7	9	1	—0.46273	2	0.55347	2
—31	—39	0.53897	7	—0.26948	7	10	2	—0.11438	3	0.83253	2
—30	—38	0.32690	7	—0.16345	7	11	3	—0.21898	3	0.12991	3
—29	—37	0.19828	7	—0.99138	6	12	4	—0.38451	3	0.20776	3
—28	—36	0.12026	7	—0.60130	6	13	5	—0.65156	3	0.33722	3
—27	—35	0.72942	6	—0.36471	6	14	6	—0.10871	4	0.55177	3
—26	—34	0.44241	6	—0.22121	6	15	7	—0.18014	4	0.90651	3
—25	—33	0.26834	6	—0.13417	6	16	8	—0.29765	4	0.14922	4
—24	—32	0.16276	6	—0.81377	5	17	9	—0.49117	4	0.24586	4
—23	—31	0.98716	5	—0.49358	5	18	10	—0.81011	4	0.40524	4
—22	—30	0.59875	5	—0.29937	5	19	11	—0.13358	5	0.66804	4
—21	—29	0.36317	5	—0.18157	5	20	12	—0.22026	5	0.11014	5
—20	—28	0.22028	5	—0.11012	5	21	13	—0.36315	5	0.18158	5
—19	—27	0.13363	5	—0.66785	4	22	14	—0.59874	5	0.29937	5
—18	—26	0.81077	4	—0.40494	4	23	15	—0.98716	5	0.49358	5
—17	—25	0.49220	4	—0.24541	4	24	16	—0.16275	6	0.81377	5
—16	—24	0.29924	4	—0.14853	4	25	17	—0.26834	6	0.13417	6
—15	—23	0.18261	4	—0.89590	3	26	18	—0.44241	6	0.22121	6
—14	—22	0.11248	4	—0.53590	3	27	19	—0.72942	6	0.36471	6
—13	—21	0.70854	3	—0.31430	3	28	20	—0.12026	7	0.60130	6
—12	—20	0.46839	3	—0.17692	3	29	21	—0.19828	7	0.99138	6
—11	—19	0.33694	3	—0.93272	2	30	22	—0.32690	7	0.16345	7
—10	—18	0.26963	3	—0.46373	2	31	23	—0.53897	7	0.26948	7
—9	—17	0.23622	3	—0.23462	2	32	24	—0.88861	7	0.44431	7
—8	—16	0.21839	3	—0.13650	2	33	25	—0.14651	8	0.73254	7
—7	—15	0.20695	3	—0.98514	1	34	26	—0.24155	8	0.12077	8
—6	—14	0.19788	3	—0.85517	1	35	27	—0.39825	8	0.19912	8
—5	—13	0.18953	3	—0.82558	1	36	28	—0.65660	8	0.32830	8
—4	—12	0.18123	3	—0.83747	1	37	29	—0.10825	9	0.54127	8
—3	—11	0.17271	3	—0.86878	1	38	30	—0.17848	9	0.89241	8
—2	—10	0.16382	3	—0.91206	1	39	31	—0.29427	9	0.14713	9
—1	—9	0.15444	3	—0.96587	1	40	32	—0.48517	9	0.24258	9
0	—8	0.14446	3	—0.10318	2						

Table 49

$u_B = 9$ $\gamma = 8.10 \cdot 10^3$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—49	0.48517	9	—0.24258	9	1	—8	0.23817	3	—0.17006	2
—39	—48	0.29427	9	—0.14713	9	2	—7	0.22051	3	—0.18357	2
—38	—47	0.17848	9	—0.89241	8	3	—6	0.20133	3	—0.20074	2
—37	—46	0.10825	9	—0.54127	8	4	—5	0.18019	3	—0.22334	2
—36	—45	0.65660	8	—0.32830	8	5	—4	0.15639	3	—0.25432	2
—35	—44	0.39825	8	—0.19912	8	6	—3	0.12888	3	—0.29872	2
—34	—43	0.24155	8	—0.12077	8	7	—2	0.95915	2	—0.36524	2
—33	—42	0.14651	8	—0.73254	7	8	—1	0.54598	2	—0.46908	2
—32	—41	0.88861	7	—0.44431	7	9	0	0			
—31	—40	0.53897	7	—0.26948	7	10	1	—0.76291	2	0.91252	2
—30	—39	0.32690	7	—0.16345	7	11	2	—0.18859	3	0.13726	3
—29	—38	0.19828	7	—0.99138	6	12	3	—0.36103	3	0.21418	3
—28	—37	0.12026	7	—0.60130	6	13	4	—0.63395	3	0.34254	3
—27	—36	0.72942	6	—0.36471	6	14	5	—0.10742	4	0.55598	3
—26	—35	0.44241	6	—0.22121	6	15	6	—0.17923	4	0.90971	3
—25	—34	0.26834	6	—0.13417	6	16	7	—0.29701	4	0.14946	4
—24	—33	0.16276	6	—0.81377	5	17	8	—0.49073	4	0.24603	4
—23	—32	0.98717	5	—0.49357	5	18	9	—0.80981	4	0.40535	4
—22	—31	0.59876	5	—0.29936	5	19	10	—0.13356	5	0.66812	4
—21	—30	0.36319	5	—0.18156	5	20	11	—0.22024	5	0.11014	5
—20	—29	0.22032	5	—0.11011	5	21	12	—0.36314	5	0.18158	5
—19	—28	0.13368	5	—0.66761	4	22	13	—0.59873	5	0.29937	5
—18	—27	0.81161	4	—0.40456	4	23	14	—0.98715	5	0.49358	5
—17	—26	0.49353	4	—0.24480	4	24	15	—0.16275	6	0.81378	5
—16	—25	0.30134	4	—0.14758	4	25	16	—0.26834	6	0.13417	6
—15	—24	0.18589	4	—0.88148	3	26	17	—0.44241	6	0.22121	6
—14	—23	0.11751	4	—0.51515	3	27	18	—0.72942	6	0.36471	6
—13	—22	0.78267	3	—0.28781	3	28	19	—0.12026	7	0.60130	6
—12	—21	0.56993	3	—0.14989	3	29	20	—0.19828	7	0.99138	6
—11	—20	0.46242	3	—0.73502	2	30	21	—0.32690	7	0.16345	7
—10	—19	0.40973	3	—0.36767	2	31	22	—0.53897	7	0.26948	7
—9	—18	0.38191	3	—0.21217	2	32	23	—0.88861	7	0.44431	7
—8	—17	0.36418	3	—0.15218	2	33	24	—0.14651	8	0.73254	7
—7	—16	0.35020	3	—0.13135	2	34	25	—0.24155	8	0.12077	8
—6	—15	0.33741	3	—0.12606	2	35	26	—0.39825	8	0.19912	8
—5	—14	0.32479	3	—0.12703	2	36	27	—0.65660	8	0.32830	8
—4	—13	0.31192	3	—0.13077	2	37	28	—0.10825	9	0.54127	8
—3	—12	0.29859	3	—0.13603	2	38	29	—0.17848	9	0.89241	8
—2	—11	0.28467	3	—0.14245	2	39	30	—0.29427	9	0.14713	9
—1	—10	0.27006	3	—0.15007	2	40	31	—0.48517	9	0.24258	9
0	—9	0.25461	3	—0.15913	2						

Table 50

$u_B = 10$ $\gamma = 2.20 \cdot 10^4$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—50	0.48517	9	—0.24258	9	1	—9	0.41978	3	—0.26233	2
—39	—49	0.29427	9	—0.14713	9	2	—8	0.39267	3	—0.28038	2
—38	—48	0.17848	9	—0.89241	8	4	—7	0.36356	3	—0.30265	2
—37	—47	0.10825	9	—0.54127	8	4	—6	0.33194	3	—0.33096	2
—36	—46	0.65660	8	—0.32830	8	5	—5	0.29708	3	—0.36822	2
—35	—45	0.39825	8	—0.19912	8	6	—4	0.25784	3	—0.41931	2
—34	—44	0.24155	8	—0.12077	8	7	—3	0.21248	3	—0.49250	2
—33	—43	0.14651	8	—0.73254	7	8	—2	0.15814	3	—0.60218	2
—32	—42	0.88861	7	—0.44431	7	9	—1	0.90017	2	—0.77337	2
—31	—41	0.53897	7	—0.26948	7	10	0	0			
—30	—40	0.32690	7	—0.16345	7	11	1	—0.12578	3	0.15045	3
—29	—39	0.19828	7	—0.99138	6	12	2	—0.31093	3	0.22630	3
—28	—38	0.12026	7	—0.60130	6	13	3	—0.59524	3	0.35313	3
—27	—37	0.72942	6	—0.36471	6	14	4	—0.10452	4	0.56475	3
—26	—36	0.44241	6	—0.22121	6	15	5	—0.17711	4	0.91665	3
—25	—35	0.26834	6	—0.13417	6	16	6	—0.29550	4	0.14999	4
—24	—34	0.16276	6	—0.81376	5	17	7	—0.48968	4	0.24641	4
—23	—33	0.98719	5	—0.49356	5	18	8	—0.80908	4	0.40563	4
—22	—32	0.59880	5	—0.29934	5	19	9	—0.13351	5	0.66832	4
—21	—31	0.36325	5	—0.18154	5	20	10	—0.22021	5	0.11015	5
—20	—30	0.22041	5	—0.11006	5	21	11	—0.36312	5	0.18159	5
—19	—29	0.13383	5	—0.66692	4	21	12	—0.59873	5	0.29938	5
—18	—28	0.81397	4	—0.40347	4	23	13	—0.98714	5	0.49359	5
—17	—27	0.49727	4	—0.24310	4	24	14	—0.16275	6	0.81378	5
—16	—26	0.30719	4	—0.14499	4	25	15	—0.26834	6	0.13417	6
—15	—25	0.19488	4	—0.84440	3	26	16	—0.44241	6	0.22121	6
—14	—24	0.13074	4	—0.46836	3	27	17	—0.72942	6	0.36471	6
—13	—23	0.96281	3	—0.24119	3	28	18	—0.12026	7	0.60130	6
—12	—22	0.79077	3	—0.11684	3	29	19	—0.19828	7	0.99138	6
—11	—21	0.70739	3	—0.57889	2	30	20	—0.32690	7	0.16345	7
—10	—20	0.66372	3	—0.33186	2	31	21	—0.53897	7	0.26948	7
—9	—19	0.63607	3	—0.23684	2	32	22	—0.88861	7	0.44431	7
—8	—18	0.61435	3	—0.20353	2	33	23	—0.14651	8	0.73254	7
—7	—17	0.59458	3	—0.19445	2	34	24	—0.24155	8	0.12077	8
—6	—16	0.57515	3	—0.19499	2	35	25	—0.39825	8	0.19912	8
—5	—15	0.55544	3	—0.19961	2	36	26	—0.65660	8	0.32830	8
—4	—14	0.53516	3	—0.20630	2	37	27	—0.10825	9	0.54127	8
—3	—13	0.51414	3	—0.21440	2	38	28	—0.17848	9	0.89241	8
—2	—12	0.49224	3	—0.22381	2	39	29	—0.29427	9	0.14713	9
—1	—11	0.46933	3	—0.23469	2	40	30	—0.48517	9	0.24258	9
0	—10	0.44524	3	—0.24735	2						

Table 51

$u_B = 11$ $\gamma = 5.99 \cdot 10^4$

u_S	Y	$F(Y,\gamma)$		dF/dY		u_S	Y	$F(Y,\gamma)$		dF/dY	
—40	—51	0.48517	9	—0.24258	9	1	—10	0.73408	3	—0.40780	2
—39	—50	0.29427	9	—0.14713	9	2	—9	0.96210	3	—0.43250	2
—38	—49	0.17848	9	—0.89241	8	3	—8	0.64741	3	—0.46226	2
—37	—48	0.10825	9	—0.54127	8	4	—7	0.59942	3	—0.49898	2
—36	—47	0.65660	8	—0.32830	8	5	—6	0.54728	3	—0.54566	2
—35	—46	0.39825	8	—0.19912	8	6	—5	0.48980	3	—0.60710	2
—34	—45	0.24155	8	—0.12077	8	7	—4	0.42511	3	—0.69132	2
—33	—44	0.14651	8	—0.73254	7	8	—3	0.35033	3	—0.81200	2
—32	—43	0.88861	7	—0.44431	7	9	—2	0.26072	3	—0.99283	2
—31	—42	0.53897	7	—0.26948	7	10	—1	0.14841	3	—0.12751	3
—30	—41	0.32690	7	—0.16345	7	11	0	0			
—29	—40	0.19828	7	—0.99138	6	12	1	—0.20738	3	0.24805	3
—28	—39	0.12026	7	—0.60130	6	13	2	—0.51263	3	0.37311	3
—27	—38	0.72942	6	—0.36471	6	14	3	—0.98138	3	0.58221	3
—26	—37	0.44242	6	—0.22121	6	15	4	—0.17233	4	0.93112	3
—25	—36	0.26834	6	—0.13417	6	16	5	—0.29201	4	0.15113	4
—24	—35	0.16276	6	—0.81374	5	17	6	—0.48719	4	0.24728	4
—23	—34	0.98726	5	—0.49353	5	18	7	—0.80735	4	0.40627	4
—22	—33	0.59890	5	—0.29930	5	19	8	—0.13340	5	0.66877	4
—21	—32	0.36341	5	—0.18146	5	20	9	—0.22013	5	0.11019	5
—20	—31	0.22067	5	—0.10994	5	21	10	—0.36306	5	0.18161	5
—19	—30	0.13425	5	—0.66498	4	22	11	—0.59868	5	0.29940	5
—18	—29	0.82059	4	—0.40044	4	23	12	—0.98712	5	0.49360	5
—17	—28	0.50766	4	—0.23850	4	14	13	—0.16275	6	0.81378	5
—16	—27	0.32315	4	—0.13842	4	25	14	—0.26834	6	0.13417	6
—15	—26	0.21831	4	—0.76243	3	26	15	—0.44241	6	0.22121	6
—14	—25	0.16247	4	—0.38853	3	27	16	—0.72942	6	0.36471	6
—13	—24	0.13489	4	—0.18618	3	28	17	—0.12026	7	0.60130	6
—12	—23	0.12165	4	—0.91500	2	29	18	—0.19828	7	0.99138	6
—11	—22	0.11477	4	—0.52168	2	30	19	—0.32690	7	0.16345	7
—10	—21	0.11043	4	—0.37082	2	31	20	—0.53897	7	0.26948	7
—9	—20	0.10704	4	—0.31754	2	32	21	—0.88861	7	0.44431	7
—8	—19	0.10396	4	—0.30231	2	33	22	—0.14651	8	0.73254	7
—7	—18	0.10094	4	—0.30200	2	34	23	—0.24155	8	0.12077	8
—6	—17	0.97897	3	—0.30786	2	35	24	—0.39825	8	0.19912	8
—5	—16	0.94777	3	—0.31665	2	36	25	—0.65660	8	0.32830	8
—4	—15	0.91558	3	—0.32727	2	37	26	—0.10825	9	0.54127	8
—3	—14	0.88226	3	—0.33944	2	38	27	—0.17848	9	0.89241	8
—2	—13	0.84764	3	—0.35322	2	39	28	—0.29427	9	0.14713	9
—1	—12	0.81155	3	—0.36890	2	40	29	—0.48517	9	0.24258	9
0	—11	0.77379	3	—0.38689	2						

Table 52

$u_B = 12$ $\gamma = 1.63 \cdot 10^5$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—52	0.48517	9	—0.24258	9	1	—11	0.12758	4	—0.63787	2
—39	—51	0.29427	9	—0.14713	9	2	—10	0.12103	4	—0.67235	2
—38	—50	0.17848	9	—0.89241	8	3	—9	0.11411	4	—0.71307	2
—37	—49	0.10825	9	—0.54127	8	4	—8	0.10674	4	—0.76213	2
—36	—48	0.65660	8	—0.32830	8	5	—7	0.98827	3	—0.82268	2
—35	—47	0.39825	8	—0.19912	8	6	—6	0.90232	3	—0.89964	2
—34	—46	0.24155	8	—0.12077	8	7	—5	0.80754	3	—0.10009	3
—33	—45	0.14651	8	—0.73254	7	8	—4	0.70089	3	—0.11398	3
—32	—44	0.88861	7	—0.44431	7	9	—3	0.57759	3	—0.13388	3
—31	—43	0.53897	7	—0.26948	7	10	—2	0.42986	3	—0.16369	3
—30	—42	0.32690	7	—0.16345	7	11	—1	0.24469	3	—0.21022	3
—29	—41	0.19828	7	—0.99138	6	12	0	0			
—28	—40	0.12026	7	—0.60130	6	13	1	—0.34191	3	0.40896	3
—27	—39	0.72942	6	—0.36471	6	14	2	—0.84519	3	0.61516	3
—26	—38	0.44242	6	—0.22120	6	15	3	—0.16180	4	0.95989	3
—25	—37	0.26835	6	—0.13416	6	16	4	—0.28412	4	0.15352	4
—24	—36	0.16277	6	—0.81369	5	17	5	—0.48144	4	0.24917	4
—23	—35	0.98744	5	—0.49345	5	18	6	—0.80325	4	0.40770	4
—22	—34	0.59919	5	—0.29916	5	19	7	—0.13311	5	0.66982	4
—21	—33	0.36387	5	—0.18124	5	20	8	—0.21993	5	0.11026	5
—20	—32	0.22141	5	—0.10960	5	21	9	—0.36293	5	0.18167	5
—19	—31	0.13541	5	—0.65963	4	22	10	—0.59859	5	0.29943	5
—18	—30	0.83893	4	—0.39230	4	23	11	—0.98706	5	0.49362	5
—17	—29	0.53584	4	—0.22691	4	24	12	—0.16275	6	0.81380	5
—16	—28	0.36442	4	—0.12415	4	25	13	—0.26833	6	0.13417	6
—15	—27	0.27387	4	—0.62653	3	26	14	—0.44241	6	0.22121	6
—14	—26	0.22960	4	—0.29734	3	27	15	—0.72941	6	0.36471	6
—13	—25	0.20853	4	—0.14510	3	28	16	—0.12026	7	0.60130	6
—12	—24	0.19764	4	—0.82350	2	29	17	—0.19828	7	0.99138	6
—11	—23	0.19080	4	—0.58341	2	30	18	—0.32690	7	0.16345	7
—10	—22	0.18547	4	—0.49815	2	31	19	—0.53897	7	0.26948	7
—9	—21	0.18064	4	—0.47292	2	32	20	—0.88861	7	0.44431	7
—8	—20	0.17594	4	—0.47101	2	33	21	—0.14651	8	0.73254	7
—7	—19	0.17119	4	—0.47856	2	34	22	—0.24155	8	0.12077	8
—6	—18	0.16635	4	—0.49041	2	35	23	—0.39825	8	0.19912	8
—5	—17	0.16138	4	—0.50473	2	36	24	—0.65660	8	0.32830	8
—4	—16	0.15625	4	—0.52099	2	37	25	—0.10825	9	0.54127	8
—3	—15	0.15095	4	—0.53917	2	38	26	—0.17848	9	0.89241	8
—2	—14	0.14546	4	—0.55948	2	39	27	—0.29427	9	0.14713	9
—1	—13	0.13975	4	—0.58231	2	40	28	—0.48517	9	0.24258	9
0	—12	0.13380	4	—0.60819	2						

Table 53

$u_B = 13$ $\gamma = 4.42 \cdot 10^5$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—53	0.48517	9	—0.24258	9	1	—12	0.22060	4	—0.10027	3
—39	—52	0.29427	9	—0.14713	9	2	—11	0.21034	4	—0.10517	3
—38	—51	0.17848	9	—0.89241	8	3	—10	0.19954	4	—0.11085	3
—37	—50	0.10825	9	—0.54127	8	4	—9	0.18813	4	—0.11757	3
—36	—49	0.65660	8	—0.32830	8	5	—8	0.17598	4	—0.12565	3
—35	—48	0.39825	8	—0.19912	8	6	—7	0.16294	4	—0.13564	3
—34	—47	0.24155	8	—0.12077	8	7	—6	0.14877	4	—0.14832	3
—33	—46	0.14651	8	—0.73254	7	8	—5	0.13314	4	—0.16503	3
—32	—45	0.88861	7	—0.44431	7	9	—4	0.11556	4	—0.18792	3
—31	—44	0.53897	7	—0.26948	7	10	—3	0.95229	3	—0.22072	3
—30	—43	0.32690	7	—0.16345	7	11	—2	0.70872	3	—0.26988	3
—29	—42	0.19828	7	—0.99138	6	12	—1	0.40343	3	—0.34660	3
—28	—41	0.12026	7	—0.60130	6	13	0	0			
—27	—40	0.72943	6	—0.36470	6	14	1	—0.56372	3	0.67427	3
—26	—39	0.44243	6	—0.22120	6	15	2	—0.13935	4	0.10142	4
—25	—38	0.26837	6	—0.13415	6	16	3	—0.26677	4	0.15826	4
—24	—37	0.16280	6	—0.81354	5	17	4	—0.46843	4	0.25311	4
—23	—36	0.98794	5	—0.49321	5	18	5	—0.79376	4	0.41081	4
—22	—35	0.60000	5	—0.29878	5	19	6	—0.13243	5	0.67219	4
—21	—34	0.36516	5	—0.18064	5	20	7	—0.21946	5	0.11044	5
—20	—33	0.22346	5	—0.10866	5	21	8	—0.36261	5	0.18179	5
—19	—32	0.13864	5	—0.64531	4	22	9	—0.59837	5	0.29952	5
—18	—31	0.88844	4	—0.37201	4	23	10	—0.98691	5	0.49368	5
—17	—30	0.60815	4	—0.20223	4	24	11	—0.16274	6	0.81384	5
—16	—29	0.46123	4	—0.10113	4	25	12	—0.26833	6	0.13417	6
—15	—28	0.39005	4	—0.47576	3	26	13	—0.44241	6	0.22121	6
—14	—27	0.35645	4	—0.23075	3	27	14	—0.72941	6	0.36471	6
—13	—26	0.33916	4	—0.13045	3	28	15	—0.12026	7	0.60130	6
—12	—25	0.32834	4	—0.92156	2	29	16	—0.19828	7	0.99138	6
—11	—24	0.31993	4	—0.78500	2	30	17	—0.32690	7	0.16345	7
—10	—23	0.31233	4	—0.74350	2	31	18	—0.53897	7	0.26948	7
—9	—22	0.30494	4	—0.73870	2	32	19	—0.88861	7	0.44431	7
—8	—21	0.29751	4	—0.74854	2	33	20	—0.14651	8	0.73254	7
—7	—20	0.28995	4	—0.76481	2	34	21	—0.24155	8	0.12077	8
—6	—19	0.28220	4	—0.78457	2	35	22	—0.39825	8	0.19912	8
—5	—18	0.27425	4	—0.80687	2	36	23	—0.65660	8	0.32830	8
—4	—17	0.26606	4	—0.83153	2	37	24	—0.10825	9	0.54127	8
—3	—16	0.25761	4	—0.85873	2	38	25	—0.17848	9	0.89241	8
—2	—15	0.24887	4	—0.88885	2	39	26	—0.29427	9	0.14713	9
—1	—14	0.23982	4	—0.92239	2	40	27	—0.48517	9	0.24258	9
0	—13	0.23041	4	—0.96005	2						

Table 54

$u_B = 14$ $\gamma = 1.20 \cdot 10^6$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—54	0.48517	9	—0.24258	9	1	—13	0.37988	4	—0.15829	3
—39	—53	0.29427	9	—0.14713	9	2	—12	0.36371	4	—0.16532	3
—38	—52	0.17848	9	—0.89241	8	3	—11	0.34679	4	—0.17339	3
—37	—51	0.10825	9	—0.54127	8	4	—10	0.32899	4	—0.18276	3
—36	—50	0.65660	8	—0.32830	8	5	—9	0.31018	4	—0.19383	3
—35	—49	0.39825	8	—0.19912	8	6	—8	0.29015	4	—0.20717	3
—34	—48	0.24155	8	—0.12077	8	7	—7	0.26864	4	—0.22363	3
—33	—47	0.14651	8	—0.73254	7	8	—6	0.24528	4	—0.24455	3
—32	—46	0.88861	7	—0.44431	7	9	—5	0.21951	4	—0.27208	3
—31	—45	0.53897	7	—0.26948	7	10	—4	0.19052	4	—0.30983	3
—30	—44	0.32690	7	—0.16345	7	11	—3	0.15701	4	—0.36391	3
—29	—43	0.19828	7	—0.99137	6	12	—2	0.11685	4	—0.44496	3
—28	—42	0.12026	7	—0.60129	6	13	—1	0.66514	3	—0.57145	3
—27	—41	0.72945	6	—0.36469	6	14	0	0			
—26	—40	0.44247	6	—0.22118	6	15	1	—0.92941	3	0.11117	4
—25	—39	0.26842	6	—0.13413	6	16	2	—0.22975	4	0.16722	4
—24	—38	0.16289	6	—0.81313	5	17	3	—0.43982	4	0.26093	4
—23	—37	0.98935	5	—0.49255	5	18	4	—0.77231	4	0.41730	4
—22	—36	0.60225	5	—0.29773	5	19	5	—0.13087	5	0.67732	4
—21	—35	0.36874	5	—0.17899	5	20	6	—0.21835	5	0.11083	5
—20	—34	0.22910	5	—0.10615	5	21	7	—0.36183	5	0.18208	5
—19	—33	0.14730	5	—0.60994	4	22	8	—0.59784	5	0.29972	5
—18	—32	0.10146	5	—0.32950	4	23	9	—0.98655	5	0.49382	5
—17	—31	0.77610	4	—0.16337	4	24	10	—0.16271	6	0.81394	5
—16	—30	0.66153	4	—0.76253	3	25	11	—0.26831	6	0.13418	6
—15	—29	0.60780	4	—0.36785	3	26	12	—0.44240	6	0.22121	6
—14	—28	0.58028	4	—0.20724	3	27	13	—0.72940	6	0.36471	6
—13	—27	0.56312	4	—0.14606	3	28	14	—0.12026	7	0.60131	6
—12	—26	0.54980	4	—0.12417	3	29	15	—0.19828	7	0.99138	6
—11	—25	0.53780	4	—0.11738	3	30	16	—0.32690	7	0.16345	7
—10	—24	0.52614	4	—0.11638	3	31	17	—0.53897	7	0.26949	7
—9	—23	0.51445	4	—0.11767	3	32	18	—0.88861	7	0.44431	7
—8	—22	0.50257	4	—0.11994	3	33	19	—0.14651	8	0.73254	7
—7	—21	0.49044	4	—0.12272	3	34	20	—0.24155	8	0.12077	8
—6	—20	0.47802	4	—0.12583	3	35	21	—0.39825	8	0.19912	8
—5	—19	0.46526	4	—0.12925	3	36	22	—0.65660	8	0.32830	8
—4	—18	0.45215	4	—0.13299	3	37	23	—0.10825	9	0.54127	8
—3	—17	0.43865	4	—0.13708	3	38	24	—0.17848	9	0.89241	8
—2	—16	0.42472	4	—0.14158	3	39	25	—0.29427	9	0.14713	9
—1	—15	0.41032	4	—0.14654	3	40	26	—0.48517	9	0.24258	9
0	—14	0.39540	4	—0.15208	3						

Table 55

$u_B = 15$ $\gamma = 3.27 \cdot 10^6$

u_s	Y	$F(Y, \gamma)$		dF/dY		u_s	Y	$F(Y, \gamma)$		dF/dY	
—40	—55	0.48517	9	—0.24258	9	1	—14	0.65190	4	—0.25073	3
—39	—54	0.29427	9	—0.14713	9	2	—13	0.62632	4	—0.26097	3
—38	—53	0.17848	9	—0.89241	8	3	—12	0.59966	4	—0.27257	3
—37	—52	0.10825	9	—0.54127	8	4	—11	0.57175	4	—0.28587	3
—36	—51	0.65660	8	—0.32830	8	5	—10	0.54241	4	—0.30133	3
—35	—50	0.39825	8	—0.19912	8	6	—9	0.51140	4	—0.31958	3
—34	—49	0.24155	8	—0.12077	8	7	—8	0.47837	4	—0.34157	3
—33	—48	0.14651	8	—0.73254	7	8	—7	0.44291	4	—0.36870	3
—32	—47	0.88861	7	—0.44431	7	9	—6	0.40439	4	—0.40319	3
—31	—46	0.53897	7	—0.26948	7	10	—5	0.36191	4	—0.44859	3
—30	—45	0.32690	7	—0.16345	7	11	—4	0.31412	4	—0.51082	3
—29	—44	0.19828	7	—0.99136	6	12	—3	0.25886	4	—0.59999	3
—28	—43	0.12027	7	—0.60127	6	13	—2	0.19265	4	—0.73361	3
—27	—42	0.72951	6	—0.36466	6	14	—1	0.10966	4	—0.94216	3
—26	—41	0.44256	6	—0.22114	6	15	0	0			
—25	—40	0.26857	6	—0.13406	6	16	1	—0.15323	4	0.18328	4
—24	—39	0.16314	6	—0.81197	5	17	2	—0.37879	4	0.27570	4
—23	—38	0.99327	5	—0.49071	5	18	3	—0.72515	4	0.43019	4
—22	—37	0.60849	5	—0.29484	5	19	4	—0.12733	5	0.68801	4
—21	—36	0.37858	5	—0.17461	5	20	5	—0.21577	5	0.11167	5
—20	—35	0.24419	5	—0.10001	5	21	6	—0.35999	5	0.18272	5
—19	—34	0.16922	5	—0.53702	4	22	7	—0.59655	5	0.30019	5
—18	—33	0.13049	5	—0.26412	4	23	8	—0.98567	5	0.49416	5
—17	—32	0.11202	5	—0.12240	4	24	9	—0.16265	6	0.81418	5
—16	—31	0.10342	5	—0.58766	3	25	10	—0.26827	6	0.13420	6
—15	—30	0.99031	4	—0.33010	3	26	11	—0.44237	6	0.22123	6
—14	—29	0.96299	4	—0.23217	3	27	12	—0.72939	6	0.36472	6
—13	—28	0.94184	4	—0.19703	3	28	13	—0.12026	7	0.60131	6
—12	—27	0.92281	4	—0.18594	3	29	14	—0.19827	7	0.99139	6
—11	—26	0.90435	4	—0.18405	3	30	15	—0.32690	7	0.16345	7
—10	—25	0.88588	4	—0.18575	3	31	16	—0.53897	7	0.26949	7
—9	—24	0.86715	4	—0.18896	3	32	17	—0.88861	7	0.44431	7
—8	—23	0.84806	4	—0.19291	3	33	18	—0.14651	8	0.73254	7
—7	—22	0.82856	4	—0.19734	3	34	19	—0.24155	8	0.12077	8
—6	—21	0.80858	4	—0.20217	3	35	20	—0.39825	8	0.19912	8
—5	—20	0.78811	4	—0.20741	3	36	21	—0.65660	8	0.32830	8
—4	—19	0.76709	4	—0.21308	3	37	22	—0.10825	9	0.54127	8
—3	—18	0.74548	4	—0.21926	3	38	23	—0.17848	9	0.89241	8
—2	—17	0.72322	4	—0.22601	3	39	24	—0.29427	9	0.14713	9
—1	—16	0.70025	4	—0.23342	3	40	25	—0.48517	9	0.24258	9
0	—15	0.67651	4	—0.24161	3						

Table 56

$u_B = 16$ $\gamma = 8.89 \cdot 10^6$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—56	0.48517	9	—0.24258	9	1	—15	0.11154	5	—0.39835	3
—39	—55	0.29427	9	—0.14713	9	2	—14	0.10748	5	—0.41338	3
—38	—54	0.17848	9	—0.89241	8	3	—13	0.10326	5	—0.43026	3
—37	—53	0.10825	9	—0.54127	8	4	—12	0.98867	4	—0.44939	3
—36	—52	0.65660	8	—0.32830	8	5	—11	0.94266	4	—0.47132	3
—35	—51	0.39825	8	—0.19912	8	6	—10	0.89429	4	—0.49680	3
—34	—50	0.24155	8	—0.12077	8	7	—9	0.84315	4	—0.52689	3
—33	—49	0.14651	8	—0.73254	7	8	—8	0.78871	4	—0.56315	3
—32	—48	0.88861	7	—0.44430	7	9	—7	0.73024	4	—0.60788	3
—31	—47	0.53897	7	—0.26948	7	10	—6	0.66673	4	—0.66475	3
—30	—46	0.32691	7	—0.16345	7	11	—5	0.59669	4	—0.73960	3
—29	—45	0.19829	7	—0.99133	6	12	—4	0.51789	4	—0.84220	3
—28	—44	0.12028	7	—0.60122	6	13	—3	0.42679	4	—0.98922	3
—27	—43	0.72967	6	—0.36459	6	14	—2	0.31763	4	—0.12095	4
—26	—42	0.44282	6	—0.22101	6	15	—1	0.18080	4	—0.15534	4
—25	—41	0.26900	6	—0.13386	6	16	0	0			
—24	—40	0.16382	6	—0.80877	5	17	1	—0.25264	4	0.30218	4
—23	—39	0.10041	6	—0.48569	5	18	2	—0.62451	4	0.45455	4
—22	—38	0.62560	5	—0.28723	5	19	3	—0.11956	5	0.70927	4
—21	—37	0.40481	5	—0.16399	5	20	4	—0.20994	5	0.11343	5
—20	—36	0.28217	5	—0.87546	4	21	5	—0.35574	5	0.18411	5
—19	—35	0.21923	5	—0.42734	4	22	6	—0.59352	5	0.30125	5
—18	—34	0.18945	5	—0.19675	4	23	7	—0.98355	5	0.49494	5
—17	—33	0.17564	5	—0.94057	3	24	8	—0.16251	6	0.81473	5
—16	—32	0.16863	5	—0.52696	3	25	9	—0.26817	6	0.13423	6
—15	—31	0.16427	5	—0.36997	3	26	10	—0.44230	6	0.22125	6
—14	—30	0.16090	5	—0.31350	3	27	11	—0.72934	6	0.36474	6
—13	—29	0.15788	5	—0.29544	3	28	12	—0.12026	7	0.60132	6
—12	—28	0.15495	5	—0.29200	3	29	13	—0.19827	7	0.99139	6
—11	—27	0.15202	5	—0.29424	3	30	14	—0.32690	7	0.16345	7
—10	—26	0.14906	5	—0.29882	3	31	15	—0.53897	7	0.26949	7
—9	—25	0.14604	5	—0.30451	3	32	16	—0.88861	7	0.44431	7
—8	—24	0.14296	5	—0.31089	3	33	17	—0.14651	8	0.73254	7
—7	—23	0.13982	5	—0.31781	3	34	18	—0.24155	8	0.12077	8
—6	—22	0.13660	5	—0.32526	3	35	19	—0.39825	8	0.19912	8
—5	—21	0.13331	5	—0.33329	3	36	20	—0.65660	8	0.32830	8
—4	—20	0.12994	5	—0.34194	3	37	21	—0.10825	9	0.54127	8
—3	—19	0.12647	5	—0.35131	3	38	22	—0.17848	9	0.89241	8
—2	—18	0.12291	5	—0.36149	3	39	23	—0.29427	9	0.14713	9
—1	—17	0.11924	5	—0.37262	3	40	24	—0.48517	9	0.24258	9
0	—16	0.11545	5	—0.38484	3						

Table 57

$u_B = 17$ $\gamma = 2.42 \cdot 10^7$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—57	0.48517	9	—0.24258	9	1	—16	0.19035	5	—0.63449	3
—39	—56	0.29427	9	—0.14713	9	2	—15	0.18389	5	—0.65676	3
—38	—55	0.17848	9	—0.89241	8	3	—14	0.17720	5	—0.68156	3
—37	—54	0.10825	9	—0.54127	8	4	—13	0.17025	5	—0.70938	3
—36	—53	0.65660	8	—0.32830	8	5	—12	0.16300	5	—0.74092	3
—35	—52	0.39825	8	—0.19912	8	6	—11	0.15542	5	—0.77708	3
—34	—51	0.24155	8	—0.12077	8	7	—10	0.14744	5	—0.81909	3
—33	—50	0.14651	8	—0.73253	7	8	—9	0.13901	5	—0.86870	3
—32	—49	0.88862	7	—0.44430	7	9	—8	0.13004	5	—0.92847	3
—31	—48	0.53898	7	—0.26948	7	10	—7	0.12040	5	—0.10022	4
—30	—47	0.32692	7	—0.16344	7	11	—6	0.10992	5	—0.10960	4
—29	—46	0.19830	7	—0.99125	6	12	—5	0.98378	4	—0.12194	4
—28	—45	0.12031	7	—0.60109	6	13	—4	0.85386	4	—0.13886	4
—27	—44	0.73014	6	—0.36436	6	14	—3	0.70365	4	—0.16309	4
—26	—43	0.44356	6	—0.22066	6	15	—2	0.52368	4	—0.19942	4
—25	—42	0.27018	6	—0.13330	6	16	—1	0.29810	4	—0.25611	4
—24	—41	0.16570	6	—0.80006	5	17	0	0			
—23	—40	0.10338	6	—0.47249	5	18	1	—0.41653	4	0.49822	4
—22	—39	0.67103	5	—0.26892	5	19	2	—0.10296	5	0.74942	4
—21	—38	0.47038	5	—0.14275	5	20	3	—0.19712	5	0.11694	5
—20	—37	0.36807	5	—0.69188	4	21	4	—0.34613	5	0.18702	5
—19	—36	0.31999	5	—0.31664	4	22	5	—0.58651	5	0.30355	5
—18	—35	0.29781	5	—0.15079	4	23	6	—0.97856	5	0.49668	5
—17	—34	0.28658	5	—0.84288	3	24	7	—0.16216	6	0.81601	5
—16	—33	0.27961	5	—0.59083	3	25	8	—0.26793	6	0.13433	6
—15	—32	0.27424	5	—0.50000	3	26	9	—0.44214	6	0.22132	6
—14	—31	0.26942	5	—0.47060	3	37	10	—0.72923	6	0.36478	6
—13	—30	0.26475	5	—0.46454	3	28	11	—0.12025	7	0.60135	6
—12	—29	0.26010	5	—0.46747	3	29	12	—0.19827	7	0.99141	6
—11	—28	0.25539	5	—0.47407	3	30	13	—0.32690	7	0.16345	7
—10	—27	0.25061	5	—0.48236	3	31	14	—0.53897	7	0.26949	7
—9	—26	0.24574	5	—0.49164	3	32	15	—0.88861	7	0.44431	7
—8	—25	0.24077	5	—0.50167	3	33	16	—0.14651	8	0.73254	7
—7	—24	0.23570	5	—0.51242	3	34	17	—0.24155	8	0.12077	8
—6	—23	0.23052	5	—0.52392	3	35	18	—0.39825	8	0.19912	8
—5	—22	0.22522	5	—0.53625	3	36	19	—0.65660	8	0.32830	8
—4	—21	0.21980	5	—0.54949	3	37	20	—0.10825	9	0.54127	8
—3	—20	0.21423	5	—0.56376	3	38	21	—0.17848	9	0.89241	8
—2	—19	0.20852	5	—0.57921	3	39	22	—0.29427	9	0.14713	9
—1	—18	0.20264	5	—0.59600	3	40	23	—0.48517	9	0.24258	9
0	—17	0.19659	5	—0.61435	3						

Table 58

$u_B = 18$ $\gamma = 6.57 \cdot 10^7$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—58	0.48517	9	—0.24258	9	1	—17	0.32412	5	—0.10129	4
—39	—57	0.29427	9	—0.14713	9	2	—16	0.31383	5	—0.10461	4
—38	—56	0.17848	9	—0.89241	8	3	—15	0.30319	5	—0.10828	4
—37	—55	0.10826	9	—0.54127	8	4	—14	0.29216	5	—0.11237	4
—36	—54	0.65660	8	—0.32830	8	5	—13	0.28070	5	—0.11696	4
—35	—53	0.39825	8	—0.19912	8	6	—12	0.26875	5	—0.12216	4
—34	—52	0.24155	8	—0.12077	8	7	—11	0.25624	5	—0.12812	4
—33	—51	0.14651	8	—0.73253	7	8	—10	0.24309	5	—0.13504	4
—32	—50	0.88863	7	—0.44430	7	9	—9	0.22919	5	—0.14322	4
—31	—49	0.53900	7	—0.26947	7	10	—8	0.21439	5	—0.15308	4
—30	—48	0.32695	7	—0.16343	7	11	—7	0.19850	5	—0.16524	4
—29	—47	0.19835	7	—0.99101	6	12	—6	0.18124	5	—0.18070	4
—28	—46	0.12039	7	—0.60070	6	13	—5	0.16220	5	—0.20104	4
—27	—45	0.73144	6	—0.36374	6	14	—4	0.14078	5	—0.22893	4
—26	—44	0.44567	6	—0.21967	6	15	—3	0.11601	5	—0.26890	4
—25	—43	0.27343	6	—0.13179	6	16	—2	0.86340	4	—0.32878	4
—24	—42	0.17083	6	—0.77725	5	17	—1	0.49148	4	—0.42225	4
—23	—41	0.11123	6	—0.44102	5	18	0	0			
—22	—40	0.78394	5	—0.23283	5	19	1	—0.68675	4	0.82142	4
—21	—39	0.61757	5	—0.11209	5	20	2	—0.16976	5	0.12356	5
—20	—38	0.53987	5	—0.51015	4	21	3	—0.32499	5	0.19280	5
—19	—37	0.50421	5	—0.24211	4	22	4	—0.57067	5	0.30835	5
—18	—36	0.48619	5	—0.13505	4	23	5	—0.96700	5	0.50047	5
—17	—35	0.47504	5	—0.94535	3	24	6	—0.16134	6	0.81889	5
—16	—34	0.46644	5	—0.79910	3	25	7	—0.26736	6	0.13454	6
—15	—33	0.45874	5	—0.75129	3	26	8	—0.44175	6	0.22147	6
—14	—32	0.45129	5	—0.74079	3	27	9	—0.72897	6	0.36489	6
—13	—31	0.44387	5	—0.74461	3	28	10	—0.12023	7	0.60143	6
—12	—30	0.43638	5	—0.75419	3	29	11	—0.19826	7	0.99146	6
—11	—29	0.42878	5	—0.76636	3	30	12	—0.32689	7	0.16346	7
—10	—28	0.42105	5	—0.77998	3	31	13	—0.53896	7	0.26949	7
—9	—27	0.41318	5	—0.79467	3	32	14	—0.88861	7	0.44431	7
—8	—26	0.40515	5	—0.81034	3	33	15	—0.14651	8	0.73254	7
—7	—25	0.39697	5	—0.82703	3	34	16	—0.24155	8	0.12077	8
—6	—24	0.38861	5	—0.84481	3	35	17	—0.39825	8	0.19912	8
—5	—23	0.38007	5	—0.86379	3	36	18	—0.65660	8	0.32830	8
—4	—22	0.37133	5	—0.88412	3	37	19	—0.10825	9	0.54127	8
—3	—21	0.36238	5	—0.90595	3	38	20	—0.17848	9	0.89241	8
—2	—20	0.35321	5	—0.92949	3	39	21	—0.29427	9	0.14713	9
—1	—19	0.34378	5	—0.95496	3	40	22	—0.48517	9	0.24258	9
0	—18	0.33410	5	—0.98264	3						

Table 59

$u_B = 19$ $\gamma = 1.78 \cdot 10^8$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—59	0.48517	9	—0.24258	9	1	—18	0.55084	5	—0.16201	4
—39	—58	0.29427	9	—0.14713	9	2	—17	0.53439	5	—0.16700	4
—38	—57	0.17848	9	—0.89241	8	3	—16	0.51742	5	—0.17247	4
—37	—56	0.10826	9	—0.54127	8	4	—15	0.49988	5	—0.17853	4
—36	—55	0.65660	8	—0.32830	8	5	—14	0.48169	5	—0.18527	4
—35	—54	0.39825	8	—0.19912	8	6	—13	0.46279	5	—0.19283	4
—34	—53	0.24155	8	—0.12077	8	7	—12	0.44309	5	—0.20140	4
—33	—52	0.14651	8	—0.73252	7	8	—11	0.42247	5	—0.21123	4
—32	—51	0.88866	7	—0.44428	7	9	—10	0.40079	5	—0.22265	4
—31	—50	0.53905	7	—0.26945	7	10	—9	0.37787	5	—0.23614	4
—30	—49	0.32704	7	—0.16339	7	11	—8	0.35347	5	—0.25238	4
—29	—48	0.19849	7	—0.99035	6	12	—7	0.32727	5	—0.27243	4
—28	—47	0.12061	7	—0.59964	6	13	—6	0.29881	5	—0.29792	4
—27	—46	0.73502	6	—0.36205	6	14	—5	0.26742	5	—0.33146	4
—26	—45	0.45140	6	—0.21700	6	15	—4	0.23210	5	—0.37745	4
—25	—44	0.28259	6	—0.12772	6	16	—3	0.19127	5	—0.44334	4
—24	—43	0.18435	6	—0.72328	5	17	—2	0.14235	5	—0.54207	4
—23	—42	0.13062	6	—0.37984	5	18	—1	0.81031	4	—0.69617	4
—22	—41	0.10356	6	—0.18171	5	19	0	0			
—21	—40	0.90992	5	—0.82276	4	20	1	—0.11323	5	0.13543	5
—20	—39	0.85250	5	—0.38924	4	21	2	—0.27989	5	0.20371	5
—19	—38	0.82355	5	—0.21672	4	22	3	—0.53582	5	0.31787	5
—18	—37	0.80567	5	—0.15152	4	23	4	—0.94087	5	0.50838	5
—17	—36	0.79190	5	—0.12794	4	24	5	—0.15943	6	0.82514	5
—16	—35	0.77957	5	—0.12017	4	25	6	—0.26600	6	0.13501	6
—15	—34	0.76767	5	—0.11838	4	26	7	—0.44080	6	0.22182	6
—14	—33	0.75582	5	—0.11887	4	27	8	—0.72831	6	0.36514	6
—13	—32	0.74387	5	—0.12027	4	28	9	—0.12019	7	0.60160	6
—12	—31	0.73175	5	—0.12207	4	29	10	—0.19823	7	0.99158	6
—11	—30	0.71945	5	—0.12408	4	30	11	—0.32687	7	0.16346	7
—10	—29	0.70693	5	—0.12625	4	31	12	—0.53895	7	0.26949	7
—9	—28	0.69419	5	—0.12856	4	32	13	—0.88860	7	0.44431	7
—8	—27	0.68122	5	—0.13101	4	33	14	—0.14651	8	0.73254	7
—7	—26	0.66799	5	—0.13360	4	34	15	—0.24155	8	0.12078	8
—6	—25	0.65449	5	—0.13635	4	35	16	—0.39825	8	0.19912	8
—5	—24	0.64071	5	—0.13928	4	36	17	—0.65660	8	0.32830	8
—4	—23	0.62663	5	—0.14242	4	37	18	—0.10825	9	0.54128	8
—3	—22	0.61222	5	—0.14577	4	38	19	—0.17848	9	0.89241	8
—2	—21	0.59747	5	—0.14937	4	39	20	—0.29427	9	0.14713	9
—1	—20	0.58234	5	—0.15325	4	40	21	—0.48517	9	0.24258	9
0	—19	0.56681	5	—0.15745	4						

Table 60

$u_B = 20$ $\gamma = 4.85 \cdot 10^8$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—60	0.48517	9	—0.24258	9	1	—19	0.93450	5	—0.25958	4
—39	—59	0.29427	9	—0.14713	9	2	—18	0.90817	5	—0.26711	4
—38	—58	0.17848	9	—0.89241	8	3	—17	0.88106	5	—0.27533	4
—37	—57	0.10826	9	—0.54127	8	4	—16	0.85308	5	—0.28436	4
—36	—56	0.65660	8	—0.32830	8	5	—15	0.82415	5	—0.29434	4
—35	—55	0.39825	8	—0.19912	8	6	—14	0.79418	5	—0.30545	4
—34	—54	0.24155	8	—0.12077	8	7	—13	0.76302	5	—0.31792	4
—33	—53	0.14652	8	—0.73249	7	8	—12	0.73054	5	—0.33206	4
—32	—52	0.88875	7	—0.44424	7	9	—11	0.69654	5	—0.34826	4
—31	—51	0.53920	7	—0.26937	7	10	—10	0.66080	5	—0.36709	4
—30	—50	0.32727	7	—0.16327	7	11	—9	0.62301	5	—0.38933	4
—29	—49	0.19887	7	—0.98852	6	12	—8	0.58278	5	—0.41611	4
—28	—48	0.12122	7	—0.59672	6	13	—7	0.53958	5	—0.44917	4
—27	—47	0.74488	6	—0.35746	6	14	—6	0.49265	5	—0.49118	4
—26	—46	0.46696	6	—0.21010	6	15	—5	0.44090	5	—0.54649	4
—25	—45	0.30633	6	—0.11832	6	16	—4	0.38267	5	—0.62231	4
—24	—44	0.21872	6	—0.61665	5	17	—3	0.31535	5	—0.73094	4
—23	—43	0.17356	6	—0.29472	5	18	—2	0.23470	5	—0.89372	4
—22	—42	0.15322	6	—0.13282	5	19	—1	0.13360	5	—0.11478	5
—21	—41	0.14396	6	—0.62654	4	20	0	0			
—20	—40	0.13931	6	—0.34827	4	21	1	—0.18668	5	0.22329	5
—19	—39	0.13644	6	—0.24321	4	22	2	—0.46146	5	0.33587	5
—18	—38	0.13423	6	—0.20518	4	23	3	—0.88341	5	0.52408	5
—17	—37	0.13225	6	—0.19256	4	24	4	—0.15512	6	0.83817	5
—16	—36	0.13034	6	—0.18952	4	25	5	—0.26286	6	0.13604	6
—15	—35	0.12845	6	—0.19013	4	26	6	—0.43856	6	0.22260	6
—14	—34	0.12654	6	—0.19218	4	27	7	—0.72675	6	0.36571	6
—13	—33	0.12460	6	—0.19486	4	28	8	—0.12008	7	0.60201	6
—12	—32	0.12264	6	—0.19787	4	29	9	—0.19815	7	0.99187	6
—11	—31	0.12064	6	—0.20110	4	30	10	—0.32682	7	0.16348	7
—10	—30	0.11862	6	—0.20452	4	31	11	—0.53892	7	0.26951	7
—9	—29	0.11655	6	—0.20813	4	32	12	—0.88858	7	0.44432	7
—8	—28	0.11445	6	—0.21195	4	33	13	—0.14650	8	0.73255	7
—7	—27	0.11231	6	—0.21599	4	34	14	—0.24155	8	0.12078	8
—6	—26	0.11013	6	—0.22026	4	35	15	—0.39825	8	0.19912	8
—5	—25	0.10791	6	—0.22481	4	36	16	—0.65660	8	0.32830	8
—4	—24	0.10564	6	—0.22964	4	37	17	—0.10825	9	0.54128	8
—3	—23	0.10331	6	—0.23480	4	38	18	—0.17848	9	0.89241	8
—2	—22	0.10094	6	—0.24033	4	39	19	—0.29427	9	0.14713	9
—1	—21	0.98505	5	—0.24626	4	40	20	—0.48517	9	0.24258	9
0	—20	0.96011	5	—0.25266	4						

Table 61

$u_B = 21$ $\gamma = 1.32 \cdot 10^9$

u_S	Y	$F(Y,\gamma)$		dF/dY		u_S	Y	$F(Y,\gamma)$		dF/dY	
—40	—61	0.48517	9	—0.24258	9	1	—20	0.15830	6	—0.41657	4
—39	—60	0.29427	9	—0.14713	9	2	—19	0.15407	6	—0.42798	4
—38	—59	0.17848	9	—0.89241	8	3	—18	0.14973	6	—0.44039	4
—37	—58	0.10826	9	—0.54127	8	4	—17	0.14526	6	—0.45394	4
—36	—57	0.65661	8	—0.32830	8	5	—16	0.14065	6	—0.46883	4
—35	—56	0.39826	8	—0.19912	8	6	—15	0.13588	6	—0.48529	4
—34	—55	0.24156	8	—0.12077	8	7	—14	0.13094	6	—0.50360	4
—33	—54	0.14653	8	—0.73242	7	8	—13	0.12580	6	—0.52417	4
—32	—53	0.88900	7	—0.44412	7	9	—12	0.12044	6	—0.54747	4
—31	—52	0.53961	7	—0.26918	7	10	—11	0.11484	6	—0.57419	4
—30	—51	0.32793	7	—0.16296	7	11	—10	0.10895	6	—0.60523	4
—29	—50	0.19993	7	—0.98350	6	12	—9	0.10272	6	—0.64189	4
—28	—49	0.12292	7	—0.58884	6	13	—8	0.96084	5	—0.68605	4
—27	—48	0.77159	6	—0.34563	6	14	—7	0.88961	5	—0.74055	4
—26	—47	0.50766	6	—0.19408	6	15	—6	0.81224	5	—0.80983	4
—25	—46	0.36424	6	—0.10065	6	16	—5	0.72692	5	—0.90101	4
—24	—45	0.29298	6	—0.47457	5	17	—4	0.63092	5	—0.10260	5
—23	—44	0.26033	6	—0.21249	5	18	—3	0.51993	5	—0.12051	5
—22	—43	0.24285	6	—0.10096	5	19	—2	0.38695	5	—0.14735	5
—21	—42	0.23535	6	—0.56036	4	20	—1	0.22026	5	—0.18924	5
—20	—41	0.23073	6	—0.39092	4	21	0	0			
—19	—40	0.22718	6	—0.32954	4	22	1	—0.30778	5	0.36814	5
—18	—39	0.22401	6	—0.30902	4	23	2	—0.76081	5	0.55375	5
—17	—38	0.22095	6	—0.30390	4	24	3	—0.14565	6	0.86407	5
—16	—37	0.21791	6	—0.30464	4	25	4	—0.25576	6	0.13819	6
—15	—36	0.21485	6	—0.30767	4	26	5	—0.43338	6	0.22430	6
—14	—35	0.21176	6	—0.31168	4	27	6	—0.72306	6	0.36700	6
—13	—34	0.20862	6	—0.31619	4	28	7	—0.11982	7	0.60296	6
—12	—33	0.20543	6	—0.32103	4	29	8	—0.19798	7	0.99255	6
—11	—32	0.20220	6	—0.32614	4	30	9	—0.32670	7	0.16353	7
—10	—31	0.19891	6	—0.33152	4	31	10	—0.53884	7	0.26954	7
—9	—30	0.19556	6	—0.33718	4	32	11	—0.88852	7	0.44434	7
—8	—29	0.19216	6	—0.34315	4	33	12	—0.14650	8	0.73256	7
—7	—28	0.18870	6	—0.34945	4	34	13	—0.24155	8	0.12078	8
—6	—27	0.18517	6	—0.35610	4	35	14	—0.39825	8	0.19913	8
—5	—26	0.18158	6	—0.36316	4	36	15	—0.65660	8	0.32830	8
—4	—25	0.17791	6	—0.37064	4	37	16	—0.10825	9	0.54128	8
—3	—24	0.17416	6	—0.37862	4	38	17	—0.17848	9	0.89241	8
—2	—23	0.17033	6	—0.38712	4	39	18	—0.29427	9	0.14713	9
—1	—22	0.16642	6	—0.39623	4	40	19	—0.48517	9	0.24258	9
0	—21	0.16241	6	—0.40602	4						

Table 62

$u_B = 22$ $\gamma = 3.58 \cdot 10^9$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—62	0.48517	9	—0.24258	9	1	—21	0.26777	6	—0.66941	4
—39	—61	0.29427	9	—0.14713	9	2	—20	0.26099	6	—0.68680	4
—38	—60	0.17848	9	—0.89241	8	3	—19	0.25402	6	—0.70562	4
—37	—59	0.10826	9	—0.54127	8	4	—18	0.24687	6	—0.72608	4
—36	—58	0.65662	8	—0.32829	8	5	—17	0.23950	6	—0.74843	4
—35	—57	0.39827	8	—0.19911	8	6	—16	0.23189	6	—0.77297	4
—34	—56	0.24159	8	—0.12075	8	7	—15	0.22403	6	—0.80010	4
—33	—55	0.14657	8	—0.73221	7	8	—14	0.21588	6	—0.83030	4
—32	—54	0.88970	7	—0.44378	7	9	—13	0.20741	6	—0.86421	4
—31	—53	0.54073	7	—0.26864	7	10	—12	0.19858	6	—0.90263	4
—30	—52	0.32974	7	—0.16210	7	11	—11	0.18934	6	—0.94668	4
—29	—51	0.20283	7	—0.96998	6	12	—10	0.17962	6	—0.99785	4
—28	—50	0.12750	7	—0.56859	6	13	—9	0.16935	6	—0.10583	5
—27	—49	0.84125	6	—0.31835	6	14	—8	0.15842	6	—0.11311	5
—26	—48	0.60647	6	—0.16432	6	15	—7	0.14667	6	—0.12210	5
—25	—47	0.49040	6	—0.77069	5	16	—6	0.13392	6	—0.13352	5
—24	—46	0.43749	6	—0.34371	5	17	—5	0.11985	6	—0.14855	5
—23	—45	0.41360	6	—0.16114	5	18	—4	0.10402	6	—0.16916	5
—22	—44	0.40165	6	—0.89255	4	19	—3	0.85722	5	—0.19869	5
—21	—43	0.38972	6	—0.62913	4	20	—2	0.63797	5	—0.24294	5
—20	—42	0.38401	6	—0.52994	4	21	—1	0.36316	5	—0.31200	5
—19	—41	0.37891	6	—0.49660	4	22	0	0			
—18	—40	0.37400	6	—0.48804	4	23	1	—0.50744	5	0.60695	5
—17	—39	0.36912	6	—0.48887	4	24	2	—0.12544	6	0.91298	5
—16	—38	0.36421	6	—0.49337	4	25	3	—0.24014	6	0.14246	6
—15	—37	0.35925	6	—0.49940	4	26	4	—0.42167	6	0.22784	6
—14	—36	0.35422	6	—0.50620	4	27	5	—0.71452	6	0.36980	6
—13	—35	0.34912	6	—0.51348	4	28	6	—0.11921	7	0.60508	6
—12	—34	0.34395	6	—0.52116	4	29	7	—0.19755	7	0.99411	6
—11	—33	0.33870	6	—0.52923	4	30	8	—0.32641	7	0.16364	7
—10	—32	0.33337	6	—0.53769	4	31	9	—0.53864	7	0.26962	7
—9	—31	0.32794	6	—0.54657	4	32	10	—0.88839	7	0.44440	7
—8	—30	0.32243	6	—0.55592	4	33	11	—0.14649	8	0.73260	7
—7	—29	0.31682	6	—0.56576	4	34	12	—0.24154	8	0.12078	8
—6	—28	0.31112	6	—0.57614	4	35	13	—0.39824	8	0.19913	8
—5	—27	0.30530	6	—0.58711	4	36	14	—0.85660	8	0.32830	8
—4	—26	0.29937	6	—0.59874	4	37	15	—0.10825	9	0.54128	8
—3	—25	0.29332	6	—0.61109	4	38	16	—0.17848	9	0.89241	8
—2	—24	0.28715	6	—0.62423	4	39	17	—0.29427	9	0.14713	9
—1	—23	0.28083	6	—0.63826	4	40	18	—0.48517	9	0.24258	9
0	—22	0.27438	6	—0.65328	4						

Table 63

$u_B = 23$ $\gamma = 9.74 \cdot 10^9$

u_S	Y	$F(Y,\gamma)$		dF/dY		u_S	Y	$F(Y,\gamma)$		dF/dY	
—40	—63	0.48517	9	—0.24258	9	1	—22	0.45237	6	—0.10771	5
—39	—62	0.29427	9	—0.14713	9	2	—21	0.44147	6	—0.11037	5
—38	—61	0.17848	9	—0.89240	8	3	—20	0.43029	6	—0.11323	5
—37	—60	0.10826	9	—0.54126	8	4	—19	0.41882	6	—0.11634	5
—36	—59	0.65664	8	—0.32828	8	5	—18	0.40702	6	—0.11971	5
—35	—58	0.39832	8	—0.19909	8	6	—17	0.39486	6	—0.12339	5
—34	—57	0.24166	8	—0.12072	8	7	—16	0.38232	6	—0.12744	5
—33	—56	0.14669	8	—0.73164	7	8	—15	0.36936	6	—0.13191	5
—32	—55	0.89162	7	—0.44286	7	9	—14	0.35592	6	—0.13689	5
—31	—54	0.54383	7	—0.26717	7	10	—13	0.34196	6	—0.14248	5
—30	—53	0.33471	7	—0.15978	7	11	—12	0.32740	6	—0.14882	5
—29	—52	0.21067	7	—0.93538	6	12	—11	0.31217	6	—0.15608	5
—28	—51	0.13940	7	—0.52224	6	13	—10	0.29615	6	—0.16452	5
—27	—50	0.10096	7	—0.26832	6	14	—9	0.27921	6	—0.17448	5
—26	—49	0.82050	6	—0.12521	6	15	—8	0.26118	6	—0.18649	5
—25	—48	0.73468	6	—0.55636	5	16	—7	0.24182	6	—0.20130	5
—24	—47	0.69606	6	—0.26028	5	17	—6	0.22079	6	—0.22013	5
—23	—46	0.67676	6	—0.14399	5	18	—5	0.19760	6	—0.24492	5
—22	—45	0.66491	6	—0.10024	5	19	—4	0.17150	6	—0.27890	5
—21	—44	0.65581	6	—0.84350	4	20	—3	0.14133	6	—0.32758	5
—20	—43	0.64013	6	—0.79905	4	21	—2	0.10518	6	—0.40054	5
—19	—42	0.63223	6	—0.78478	4	22	—1	0.59874	5	—0.51440	5
—18	—41	0.62439	6	—0.78561	4	23	0	0			
—17	—40	0.61650	6	—0.79229	4	24	1	—0.83663	5	0.10007	6
—16	—39	0.60853	6	—0.80141	4	25	2	—0.20681	6	0.15052	6
—15	—38	0.60047	6	—0.81171	4	26	3	—0.39592	6	0.23488	6
—14	—37	0.59230	6	—0.82273	4	27	4	—0.69522	6	0.37564	6
—13	—36	0.58401	6	—0.83434	4	28	5	—0.11780	7	0.60970	6
—12	—35	0.57561	6	—0.84649	4	29	6	—0.19655	7	0.99762	6
—11	—34	0.56708	6	—0.85922	4	30	7	—0.32571	7	0.16390	7
—10	—33	0.55842	6	—0.87253	4	31	8	—0.53816	7	0.26980	7
—9	—32	0.54963	6	—0.88649	4	32	9	—0.88806	7	0.44453	7
—8	—31	0.54069	6	—0.90115	4	33	10	—0.14647	8	0.73269	7
—7	—30	0.53160	6	—0.91655	4	34	11	—0.24153	8	0.12078	8
—6	—29	0.52235	6	—0.93278	4	35	12	—0.39823	8	0.19913	8
—5	—28	0.51294	6	—0.94989	4	36	13	—0.65659	8	0.32830	8
—4	—27	0.50335	6	—0.96799	4	37	14	—0.10825	9	0.54128	8
—3	—26	0.49358	6	—0.98716	4	38	15	—0.17848	9	0.89241	8
—2	—25	0.48361	6	—0.10075	5	39	16	—0.29427	9	0.14713	9
—1	—24	0.47342	6	—0.10292	5	40	17	—0.48517	9	0.24258	9
0	—23	0.46302	6	—0.10523	5						

Table 64

$u_B = 24$ $\gamma = 2.65 \cdot 10^{10}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—64	0.48517	9	—0.24258	9	1	—23	0.76339	6	—0.17350	5
—39	—63	0.29427	9	—0.14713	9	2	—22	0.74584	6	—0.17758	5
—38	—62	0.17849	9	—0.89239	8	3	—21	0.72788	6	—0.18197	5
—37	—61	0.10826	9	—0.54124	8	4	—20	0.70943	6	—0.18669	5
—36	—60	0.65672	8	—0.32824	8	5	—19	0.69051	6	—0.19181	5
—35	—59	0.39844	8	—0.19903	8	6	—18	0.67106	6	—0.19737	5
—34	—58	0.24187	8	—0.12062	8	7	—17	0.65102	6	—0.20344	5
—33	—57	0.14702	8	—0.73006	7	8	—16	0.63035	6	—0.21012	5
—32	—56	0.89692	7	—0.44034	7	9	—15	0.60897	6	—0.21749	5
—31	—55	0.55232	7	—0.26321	7	10	—14	0.58682	6	—0.22570	5
—30	—54	0.34809	7	—0.15388	7	11	—13	0.56380	6	—0.23492	5
—29	—53	0.23098	7	—0.85674	6	12	—12	0.53980	6	—0.24536	5
—28	—52	0.16804	7	—0.43822	6	13	—11	0.51468	6	—0.25733	5
—27	—51	0.13722	7	—0.20352	6	14	—10	0.48827	6	—0.27124	5
—26	—50	0.12330	7	—0.90116	5	15	—9	0.46034	6	—0.28767	5
—25	—49	0.11705	7	—0.42075	5	16	—8	0.43062	6	—0.30747	5
—24	—48	0.11393	7	—0.23251	5	17	—7	0.39870	6	—0.33189	5
—23	—47	0.11201	7	—0.16174	5	18	—6	0.36402	6	—0.36294	5
—22	—46	0.11055	7	—0.13602	5	19	—5	0.32578	6	—0.40381	5
—21	—45	0.10924	7	—0.12728	5	20	—4	0.28276	6	—0.45983	5
—20	—44	0.10798	7	—0.12490	5	21	—3	0.23302	6	—0.54010	5
—19	—43	0.10549	7	—0.12640	5	22	—2	0.17342	6	—0.66037	5
—18	—42	0.10422	7	—0.12740	5	23	—1	0.98716	5	—0.84811	5
—17	—41	0.10294	7	—0.12878	5	24	0	0			
—16	—40	0.10164	7	—0.13035	5	25	1	—0.13794	6	0.16499	6
—15	—39	0.10033	7	—0.13203	5	26	2	—0.34097	6	0.24817	6
—14	—38	0.99000	6	—0.13379	5	27	3	—0.65276	6	0.38725	6
—13	—37	0.97653	6	—0.13583	5	28	4	—0.11462	7	0.61933	6
—12	—36	0.96287	6	—0.13755	5	29	5	—0.19423	7	0.10052	7
—11	—35	0.94902	6	—0.13956	5	30	6	—0.32405	7	0.16448	7
—10	—34	0.93496	6	—0.14166	5	31	7	—0.53700	7	0.27023	7
—9	—33	0.92068	6	—0.14386	5	32	8	—0.88727	7	0.44483	7
—8	—32	0.90618	6	—0.14616	5	33	9	—0.14642	8	0.73290	7
—7	—31	0.89144	6	—0.14857	5	34	10	—0.24149	8	0.12080	8
—6	—30	0.87646	6	—0.15111	5	35	11	—0.39821	8	0.19914	8
—5	—29	0.86122	6	—0.15379	5	36	12	—0.65657	8	0.32831	8
—4	—28	0.84570	6	—0.15661	5	37	13	—0.10825	9	0.54128	8
—3	—27	0.82989	6	—0.15959	5	38	14	—0.17848	9	0.89242	8
—2	—26	0.81377	6	—0.16275	5	39	15	—0.29427	9	0.14713	9
—1	—25	0.79733	6	—0.16611	5	40	16	—0.48516	9	0.24258	9
0	—24	0.78054	6	—0.16968	5						

Table 65

$u_B = 25$ $\gamma = 7.20 \cdot 10^{10}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—65	0.48517	9	—0.24258	9	1	—24	0.12869	7	—0.27976	5
—39	—64	0.29428	9	—0.14713	9	2	—23	0.12586	7	—0.28605	5
—38	—63	0.17850	9	—0.89235	8	3	—22	0.12297	7	—0.29278	5
—37	—62	0.10828	9	—0.54118	8	4	—21	0.12000	7	—0.30001	5
—36	—61	0.65693	8	—0.32814	8	5	—20	0.11697	7	—0.30780	5
—35	—60	0.39879	8	—0.19886	8	6	—19	0.11385	7	—0.31624	5
—34	—59	0.24243	8	—0.12035	8	7	—18	0.11064	7	—0.32541	5
—33	—58	0.14793	8	—0.72576	7	8	—17	0.10733	7	—0.33542	5
—32	—57	0.91141	7	—0.43359	7	9	—16	0.10393	7	—0.34642	5
—31	—56	0.57516	7	—0.25315	7	10	—15	0.10040	7	—0.35858	5
—30	—55	0.38271	7	—0.14056	7	11	—14	0.96750	6	—0.37212	5
—29	—54	0.27964	7	—0.71581	6	12	—13	0.92955	6	—0.38731	5
—28	—53	0.22940	7	—0.33092	6	13	—12	0.88997	6	—0.40453	5
—27	—52	0.20679	7	—0.14605	6	14	—11	0.84856	6	—0.42427	5
—26	—51	0.19667	7	—0.68066	5	15	—10	0.80501	6	—0.44721	5
—25	—50	0.19163	7	—0.37575	5	16	—9	0.75898	6	—0.47430	5
—24	—49	0.18854	7	—0.26120	5	17	—8	0.70997	6	—0.50693	5
—23	—48	0.18617	7	—0.21955	5	18	—7	0.65734	6	—0.54720	5
—22	—47	0.18406	7	—0.20534	5	19	—6	0.60017	6	—0.59838	5
—21	—46	0.18203	7	—0.20140	5	20	—5	0.53713	6	—0.66576	5
—20	—45	0.18002	7	—0.20134	5	21	—4	0.46619	6	—0.75812	5
—19	—44	0.17800	7	—0.20276	5	22	—3	0.38418	6	—0.89047	5
—18	—43	0.17390	7	—0.20721	5	23	—2	0.28592	6	—0.10888	6
—17	—42	0.17182	7	—0.20961	5	24	—1	0.16275	6	—0.13983	6
—16	—41	0.16971	7	—0.21217	5	25	0	0			
—15	—40	0.16758	7	—0.21485	5	26	1	—0.22742	6	0.27202	6
—14	—39	0.16541	7	—0.21765	5	27	2	—0.56217	6	0.40917	6
—13	—38	0.16322	7	—0.22057	5	28	3	—0.10762	7	0.63847	6
—12	—37	0.16100	7	—0.22361	5	29	4	—0.18898	7	0.10211	7
—11	—36	0.15875	7	—0.22679	5	30	5	—0.32023	7	0.16573	7
—10	—35	0.15647	7	—0.23010	5	31	6	—0.53427	7	0.27118	7
—9	—34	0.15415	7	—0.23356	5	32	7	—0.88536	7	0.44553	7
—8	—33	0.15179	7	—0.23718	5	33	8	—0.14629	8	0.73340	7
—7	—32	0.14940	7	—0.24097	5	34	9	—0.24140	8	0.12083	8
—6	—31	0.14697	7	—0.24496	5	35	10	—0.39815	8	0.19916	8
—5	—30	0.14450	7	—0.24914	5	36	11	—0.65653	8	0.32833	8
—4	—29	0.14199	7	—0.25355	5	37	12	—0.10825	9	0.54129	8
—3	—28	0.13943	7	—0.25821	5	38	13	—0.17848	9	0.89242	8
—2	—27	0.13683	7	—0.26313	5	39	14	—0.29427	9	0.14713	9
—1	—26	0.13417	7	—0.26834	5	40	15	—0.48516	9	0.24258	9
0	—25	0.13146	7	—0.27387	5						

Table 66

$u_B = 26$ $\gamma = 1.96 \cdot 10^{11}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—66	0.48518	9	—0.24258	9	1	—25	0.21674	7	—0.45154	5
—39	—65	0.29429	9	—0.14712	9	2	—24	0.21217	7	—0.46125	5
—38	—64	0.17852	9	—0.89224	8	3	—23	0.20751	7	—0.47161	5
—37	—63	0.10831	9	—0.54100	8	4	—22	0.20274	7	—0.48271	5
—36	—62	0.65752	8	—0.32785	8	5	—21	0.19785	7	—0.49463	5
—35	—61	0.39974	8	—0.19840	8	6	—20	0.19284	7	—0.50748	5
—34	—60	0.24397	8	—0.11962	8	7	—19	0.18770	7	—0.52139	5
—33	—59	0.15040	8	—0.71424	7	8	—18	0.18241	7	—0.53651	5
—32	—58	0.95034	7	—0.41647	7	9	—17	0.17697	7	—0.55302	5
—31	—57	0.63408	7	—0.23061	7	10	—16	0.17135	7	—0.57115	5
—30	—56	0.46527	7	—0.11695	7	11	—15	0.16554	7	—0.59120	5
—29	—55	0.38336	7	—0.53828	6	12	—14	0.15951	7	—0.61352	5
—28	—54	0.34664	7	—0.23685	6	13	—13	0.15326	7	—0.63857	5
—27	—53	0.33024	7	—0.11019	6	14	—12	0.14673	7	—0.66696	5
—26	—52	0.32208	7	—0.60770	5	15	—11	0.13990	7	—0.69950	5
—25	—51	0.31708	7	—0.42218	5	16	—10	0.13272	7	—0.73732	5
—24	—50	0.31326	7	—0.35469	5	17	—9	0.12513	7	—0.78198	5
—23	—49	0.30985	7	—0.33157	5	18	—8	0.11705	7	—0.83578	5
—22	—48	0.30657	7	—0.32507	5	19	—7	0.10838	7	—0.90218	5
—21	—47	0.30333	7	—0.32481	5	20	—6	0.98951	6	—0.98657	5
—20	—46	0.30007	7	—0.32695	5	21	—5	0.88557	6	—0.10977	6
—19	—45	0.29678	7	—0.33005	5	22	—4	0.76862	6	—0.12499	6
—18	—44	0.29346	7	—0.33359	5	23	—3	0.63341	6	—0.14681	6
—17	—43	0.28672	7	—0.34137	5	24	—2	0.47140	6	—0.17951	6
—16	—42	0.28328	7	—0.34548	5	25	—1	0.26834	6	—0.23054	6
—15	—41	0.27981	7	—0.34976	5	26	0	0			
—14	—40	0.27629	7	—0.35422	5	27	1	—0.37495	6	0.44848	6
—13	—39	0.27272	7	—0.35885	5	28	2	—0.92686	6	0.67460	6
—12	—38	0.26911	7	—0.36366	5	29	3	—0.17744	7	0.10527	7
—11	—37	0.26545	7	—0.36868	5	30	4	—0.31157	7	0.16835	7
—10	—36	0.26174	7	—0.37391	5	31	5	—0.52796	7	0.27325	7
—9	—35	0.25797	7	—0.37937	5	32	6	—0.88087	7	0.44710	7
—8	—34	0.25415	7	—0.38507	5	33	7	—0.14597	8	0.73455	7
—7	—33	0.25027	7	—0.39104	5	34	8	—0.24118	8	0.12092	8
—6	—32	0.24633	7	—0.39730	5	35	9	—0.39800	8	0.19922	8
—5	—31	0.24232	7	—0.40387	5	36	10	—0.65644	8	0.32837	8
—4	—30	0.23825	7	—0.41077	5	37	11	—0.10824	9	0.54132	8
—3	—29	0.23410	7	—0.41804	5	38	12	—0.17848	9	0.89244	8
—2	—28	0.22988	7	—0.42571	5	39	13	—0.29426	9	0.14714	9
—1	—27	0.22559	7	—0.43382	5	40	14	—0.48516	9	0.24258	9
0	—26	0.22121	7	—0.44241	5						

Table 67

$u_B = 27$ $\gamma = 5.32 \cdot 10^{11}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—67	0.48520	9	—0.24256	9	1	—26	0.36471	7	—0.72942	5
—39	—66	0.29433	9	—0.14710	9	2	—25	0.35734	7	—0.74446	5
—38	—65	0.17858	9	—0.89194	8	3	—24	0.34982	7	—0.76047	5
—37	—64	0.10841	9	—0.54051	8	4	—23	0.34213	7	—0.77756	5
—36	—63	0.65915	8	—0.32707	8	5	—22	0.33426	7	—0.79586	5
—35	—62	0.40237	8	—0.19715	8	6	—21	0.32620	7	—0.81551	5
—34	—61	0.24818	8	—0.11766	8	7	—20	0.31795	7	—0.83670	5
—33	—60	0.15702	8	—0.68517	7	8	—19	0.30947	7	—0.85963	5
—32	—59	0.10505	8	—0.37837	7	9	—18	0.30075	7	—0.88455	5
—31	—58	0.77400	7	—0.19109	7	10	—17	0.29177	7	—0.91177	5
—30	—57	0.64042	7	—0.87588	6	11	—16	0.28250	7	—0.94167	5
—29	—56	0.58074	7	—0.38428	6	12	—15	0.27292	7	—0.97472	5
—28	—55	0.55416	7	—0.17850	6	13	—14	0.26299	7	—0.10115	6
—27	—54	0.54095	7	—0.98354	5	14	—13	0.25268	7	—0.10528	6
—26	—53	0.53286	7	—0.68289	5	15	—12	0.24192	7	—0.10996	6
—25	—52	0.52667	7	—0.57346	5	16	—11	0.23066	7	—0.11533	6
—24	—51	0.52116	7	—0.53586	5	17	—10	0.21883	7	—0.12156	6
—23	—50	0.51587	7	—0.52513	5	18	—9	0.20631	7	—0.12893	6
—22	—49	0.51063	7	—0.52449	5	19	—8	0.19299	7	—0.13780	6
—21	—48	0.50537	7	—0.52770	5	20	—7	0.17868	7	—0.14874	6
—20	—47	0.50007	7	—0.53246	5	21	—6	0.16314	7	—0.16266	6
—19	—46	0.49472	7	—0.53791	5	22	—5	0.14601	7	—0.18097	6
—18	—45	0.48931	7	—0.54374	5	23	—4	0.12672	7	—0.20608	6
—17	—44	0.48384	7	—0.54984	5	24	—3	0.10443	7	—0.24205	6
—16	—43	0.47272	7	—0.56277	5	25	—2	0.77721	6	—0.29596	6
—15	—42	0.46705	7	—0.56958	5	26	—1	0.44241	6	—0.38010	6
—14	—41	0.46132	7	—0.57666	5	27	0	0			
—13	—40	0.45552	7	—0.58400	5	28	1	—0.61819	6	0.73942	6
—12	—39	0.44964	7	—0.59163	5	29	2	—0.15281	7	0.11122	7
—11	—38	0.44369	7	—0.59958	5	30	3	—0.29255	7	0.17355	7
—10	—37	0.43765	7	—0.60785	5	31	4	—0.51370	7	0.27756	7
—9	—36	0.43153	7	—0.61647	5	32	5	—0.87046	7	0.45051	7
—8	—35	0.42532	7	—0 62547	5	33	6	—0.14523	8	0.73714	7
—7	—34	0.41902	7	—0.63488	5	34	7	—0.24067	8	0.12111	8
—6	—33	0.41262	7	—0.64472	5	35	8	—0.39765	8	0.19936	8
—5	—32	0.40612	7	—0.65504	5	36	9	—0.65619	8	0.32846	8
—4	—31	0.39952	7	—0.66586	5	37	10	—0.10823	9	0.54139	8
—3	—30	0.39280	7	—0.67725	5	38	11	—0.17846	9	0.89249	8
—2	—29	0.38597	7	—0.68923	5	39	12	—0.29426	9	0.14714	9
—1	—28	0.37902	7	—0.70188	5	40	13	—0.48516	9	0.24259	9
0	—27	0.37193	7	—0.71525	5						

Table 68

$u_B = 28$ $\gamma = 1.45 \cdot 10^{12}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—68	0.48527	9	—0.24253	9	1	—27	0.61321	7	—0.11793	6
—39	—67	0.29443	9	—0.14705	9	2	—26	0.60130	7	—0.12026	6
—38	—66	0.17875	9	—0.89112	8	3	—25	0.58915	7	—0.12274	6
—37	—65	0.10869	9	—0.53918	8	4	—24	0.57675	7	—0.12538	6
—36	—64	0.66361	8	—0.32494	8	5	—23	0.56407	7	—0.12820	6
—35	—63	0.40953	8	—0.19382	8	6	—22	0.55110	7	—0.13121	6
—34	—62	0.25945	8	—0.11272	8	7	—21	0.53782	7	—0.13446	6
—33	—61	0.17403	8	—0.62084	7	8	—20	0.52420	7	—0.13795	6
—32	—60	0.12874	8	—0.31229	7	9	—19	0.51022	7	—0.14173	6
—31	—59	0.10695	8	—0.14257	7	10	—18	0.49585	7	—0.14584	6
—30	—58	0.97247	7	—0.62381	6	11	—17	0.48104	7	—0.15033	6
—29	—57	0.92934	7	—0.28932	6	12	—16	0.46577	7	—0.15526	6
—28	—56	0.90795	7	—0.15929	6	13	—15	0.44997	7	—0.16070	6
—27	—55	0.89485	7	—0.11054	6	14	—14	0.43361	7	—0.16677	6
—26	—54	0.88484	7	—0.92785	5	15	—13	0.41659	7	—0.17358	6
—25	—53	0.87592	7	—0.86667	5	16	—12	0.39886	7	—0.18130	6
—24	—52	0.86736	7	—0.84898	5	17	—11	0.38030	7	—0.19015	6
—23	—51	0.85889	7	—0.84761	5	18	—10	0.36078	7	—0.20042	6
—22	—50	0.85039	7	—0.85246	5	19	—9	0.34015	7	—0.21256	6
—21	—49	0.84183	7	—0.85978	5	20	—8	0.31819	7	—0.22719	6
—20	—48	0.83319	7	—0.86819	5	21	—7	0.29460	7	—0.24524	6
—19	—47	0.82447	7	—0.87720	5	22	—6	0.26898	7	—0.26818	6
—18	—46	0.81565	7	—0.88661	5	23	—5	0.24072	7	—0.29837	6
—17	—45	0.80673	7	—0.89638	5	24	—4	0.20893	7	—0.33977	6
—16	—44	0.79772	7	—0.90650	5	25	—3	0.17218	7	—0.39908	6
—15	—43	0.77938	7	—0.92783	5	26	—2	0.12814	7	—0.48795	6
—14	—42	0.77004	7	—0.93908	5	27	—1	0.72942	6	—0.62667	6
—13	—41	0.76059	7	—0.95074	5	28	0	0			
—12	—40	0.75103	7	—0.96285	5	29	1	—0.10192	7	0.12191	7
—11	—39	0.74134	7	—0.97544	5	30	2	—0.25195	7	0.18338	7
—10	—38	0.73152	7	—0.98853	5	31	3	—0.48233	7	0.28614	7
—9	—37	0.72156	7	—0.10022	6	32	4	—0.84695	7	0.45763	7
—8	—36	0.71147	7	—0.10164	6	33	5	—0.14352	8	0.74277	7
—7	—35	0.70123	7	—0.10312	6	34	6	—0.23944	8	0.12153	8
—6	—34	0.69084	7	—0.10467	6	35	7	—0.39679	8	0.19967	8
—5	—33	0.68030	7	—0.10630	6	36	8	—0.65561	8	0.32869	8
—4	—32	0.66958	7	—0.10800	6	37	9	—0.10819	9	0.54154	8
—3	—31	0.65869	7	—0.10978	6	38	10	—0.17844	9	0.89259	8
—2	—30	0.64762	7	—0.11166	6	39	11	—0.29424	9	0.14715	9
—1	—29	0.63636	7	—0.11364	6	40	12	—0.48515	9	0.24259	9
0	—28	0.62489	7	—0.11572	6						

Table 69

$u_B = 29$ $\gamma = 3.93 \cdot 10^{12}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—69	0.48544	9	—0.24245	9	1	—28	0.10303	8	—0.19079	6
—39	—68	0.29472	9	—0.14691	9	2	—27	0.10110	8	—0.19443	6
—38	—67	0.17922	9	—0.88885	8	3	—26	0.99138	7	—0.19828	6
—37	—66	0.10945	9	—0.53556	8	4	—25	0.97135	7	—0.20236	6
—36	—65	0.67578	8	—0.31927	8	5	—24	0.95090	7	—0.20672	6
—35	—64	0.42867	8	—0.18545	8	6	—23	0.93000	7	—0.21136	6
—34	—63	0.28829	8	—0.10187	8	7	—22	0.90861	7	—0.21634	6
—33	—62	0.21410	8	—0.51045	7	8	—21	0.88672	7	—0.22168	6
—32	—61	0.17854	8	—0.23214	7	9	—20	0.86426	7	—0.22744	6
—31	—60	0.16277	8	—0.10131	7	10	—19	0.84121	7	—0.23367	6
—30	—59	0.15577	8	—0.46922	6	11	—18	0.81751	7	—0.24044	6
—29	—58	0.15230	8	—0.25813	6	12	—17	0.79310	7	—0.24784	6
—28	—57	0.15018	8	—0.17904	6	13	—16	0.76792	7	—0.25597	6
—27	—56	0.14856	8	—0.15023	6	14	—15	0.74188	7	—0.26496	6
—26	—55	0.14711	8	—0.14027	6	15	—14	0.71489	7	—0.27496	6
—25	—54	0.14573	8	—0.13736	6	16	—13	0.68685	7	—0.28619	6
—24	—63	0.14436	8	—0.13709	6	17	—12	0.65761	7	—0.29891	6
—23	—52	0.14298	8	—0.13782	6	18	—11	0.62700	7	—0.31350	6
—22	—51	0.14160	8	—0.13895	6	19	—10	0.59483	7	—0.33044	6
—21	—50	0.14020	8	—0.14025	6	20	—9	0.56081	7	—0.35046	6
—20	—49	0.13879	8	—0.14164	6	21	—8	0.52460	7	—0.37457	6
—19	—48	0.13737	8	—0.14310	6	22	—7	0.48571	7	—0.40433	6
—18	—47	0.13593	8	—0.14461	6	23	—6	0.44347	7	—0.44215	6
—17	—46	0.13448	8	—0.14617	6	24	—5	0.39689	7	—0.49194	6
—16	—45	0.13301	8	—0.14779	6	25	—4	0.34447	7	—0.56018	6
—15	—44	0.13152	8	—0.14946	6	26	—3	0.28387	7	—0.65797	6
—14	—43	0.12850	8	—0.15297	6	27	—2	0.21127	7	—0.80450	6
—13	—42	0.12696	8	—0.15483	6	28	—1	0.12026	7	—0.10332	7
—12	—41	0.12540	8	—0.15675	6	29	0	0			
—11	—40	0.12382	8	—0.15875	6	30	1	—0.16804	7	0.20100	7
—10	—39	0.12223	8	—0.16082	6	31	2	—0.41539	7	0.30234	7
—9	—38	0.12061	8	—0.16298	6	32	3	—0.79522	7	0.47177	7
—8	—37	0.11897	8	—0.16523	6	33	4	—0.13964	8	0.75450	7
—7	—36	0.11730	8	—0.16757	6	34	5	—0.23662	8	0.12246	8
—6	—35	0.11561	8	—0.17002	6	35	6	—0.39478	8	0.20038	8
—5	—34	0.11390	8	—0.17258	6	36	7	—0.65420	8	0.32920	8
—4	—33	0.11216	8	—0.17525	6	37	8	—0.10809	9	0.54191	8
—3	—32	0.11040	8	—0.17806	6	38	9	—0.17837	9	0.89285	8
—2	—31	0.10860	8	—0.18100	6	39	10	—0.29419	9	0.14716	9
—1	—30	0.10677	8	—0.18409	6	40	11	—0.48512	9	0.24260	9
0	—29	0.10492	8	—0.18735	6						

Table 70

$u_B = 30$ $\gamma = 1.07 \cdot 10^{13}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—70	0.48594	9	—0.24221	9	1	—29	0.17298	8	—0.30889	6
—39	—69	0.29552	9	—0.14653	9	2	—28	0.16986	8	—0.31456	6
—38	—68	0.18051	9	—0.88270	8	3	—27	0.16669	8	—0.32055	6
—37	—67	0.11151	9	—0.52594	8	4	—26	0.16345	8	—0.32690	6
—36	—66	0.70828	8	—0.30510	8	5	—25	0.16015	8	—0.33364	6
—35	—65	0.47756	8	—0.16717	8	6	—24	0.15678	8	—0.34082	6
—34	—64	0.35601	8	—0.83447	7	7	—23	0.15333	8	—0.34848	6
—33	—63	0.29798	8	—0.37810	7	8	—22	0.14981	8	—0.35668	6
—32	—62	0.27231	8	—0.16461	7	9	—21	0.14619	8	—0.36549	6
—31	—61	0.26095	8	—0.76137	6	10	—20	0.14249	8	—0.37498	6
—30	—60	0.25532	8	—0.41855	6	11	—19	0.13869	8	—0.38526	6
—29	—59	0.25188	8	—0.29017	6	12	—18	0.13479	8	—0.39643	6
—28	—58	0.24925	8	—0.24338	6	13	—17	0.13076	8	—0.40863	6
—27	—57	0.24691	8	—0.22718	6	14	—16	0.12661	8	—0.42203	6
—26	—56	0.24467	8	—0.22238	6	15	—15	0.12232	8	—0.43684	6
—25	—55	0.24245	8	—0.22187	6	16	—14	0.11787	8	—0.45333	6
—24	—54	0.24023	8	—0.22297	6	17	—13	0.11324	8	—0.47184	6
—23	—53	0.23799	8	—0.22472	6	18	—12	0.10842	8	—0.49282	6
—22	—52	0.23573	8	—0.22674	6	19	—11	0.10338	8	—0.51687	6
—21	—51	0.23345	8	—0.22890	6	20	—10	0.98071	7	—0.54481	6
—20	—50	0.23115	8	—0.23116	6	21	—9	0.92462	7	—0.57781	6
—19	—49	0.22883	8	—0.23351	6	22	—8	0.86492	7	—0.61756	6
—18	—48	0.22648	8	—0.23592	6	23	—7	0.80080	7	—0.66663	6
—17	—47	0.22411	8	—0.23842	6	24	—6	0.73116	7	—0.72898	6
—16	—46	0.22172	8	—0.24100	6	25	—5	0.65435	7	—0.81106	6
—15	—45	0.21929	8	—0.24366	6	26	—4	0.56794	7	—0.92358	6
—14	—44	0.21684	8	—0.24641	6	27	—3	0.46803	7	—0.10848	7
—13	—43	0.21186	8	—0.25221	6	28	—2	0.34832	7	—0.13264	7
—12	—42	0.20932	8	—0.25527	6	29	—1	0.19828	7	—0.17035	7
—11	—41	0.20675	8	—0.25844	6	30	0	0			
—10	—40	0.20415	8	—0.26173	6	31	1	—0.27705	7	0.33139	7
—9	—39	0.20152	8	—0.26515	6	32	2	—0.68486	7	0.49847	7
—8	—38	0.19885	8	—0.26871	6	33	3	—0.13111	8	0.77781	7
—7	—37	0.19614	8	—0.27242	6	34	4	—0.23022	8	0.12440	8
—6	—36	0.19340	8	—0.27628	6	35	5	—0.39011	8	0.20191	8
—5	—35	0.19061	8	—0.28032	6	36	6	—0.65088	8	0.33036	8
—4	—34	0.18779	8	—0.28453	6	37	7	—0.10786	9	0.54276	8
—3	—33	0.18492	8	—0.28894	6	38	8	—0.17821	9	0.89346	8
—2	—32	0.18201	8	—0.29357	6	39	9	—0.29409	9	0.14721	9
—1	—31	0.17905	8	—0.29842	6	40	10	—0.48504	9	0.24263	9
0	—30	0.17604	8	—0.30352	6						

Table 71

$u_B = 31$ $\gamma = 2.90 \cdot 10^{13}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—71	0.48729	9	—0.24156	9	1	—30	0.29024	8	—0.50042	6
—39	—70	0.29770	9	—0.14548	9	2	—29	0.28520	8	—0.50928	6
—38	—69	0.18401	9	—0.86638	8	3	—28	0.28006	8	—0.51862	6
—37	—68	0.11702	9	—0.50196	8	4	—27	0.27482	8	—0.52850	6
—36	—67	0.79104	8	—0.27434	8	5	—26	0.26948	8	—0.53897	6
—35	—66	0.59188	8	—0.13643	8	6	—25	0.26404	8	—0.55008	6
—34	—65	0.49716	8	—0.61601	7	7	—24	0.25848	8	—0.56191	6
—33	—64	0.45539	8	—0.26757	7	8	—23	0.25280	8	—0.57454	6
—32	—63	0.43693	8	—0.12360	7	9	—22	0.24699	8	—0.58806	6
—31	—62	0.42779	8	—0.67904	6	10	—21	0.24103	8	—0.60259	6
—30	—61	0.42222	8	—0.47056	6	11	—20	0.23493	8	—0.61824	6
—29	—60	0.41795	8	—0.39454	6	12	—19	0.22867	8	—0.63518	6
—28	—59	0.41417	8	—0.36815	6	13	—18	0.22222	8	—0.65360	6
—27	—58	0.41053	8	—0.36028	6	14	—17	0.21559	8	—0.67371	6
—26	—57	0.40694	8	—0.35933	6	15	—16	0.20874	8	—0.69581	6
—25	—56	0.40334	8	—0.36100	6	16	—15	0.20166	8	—0.72023	6
—24	—55	0.39971	8	—0.36370	6	17	—14	0.19433	8	—0.74742	6
—23	—54	0.39606	8	—0.36684	6	18	—13	0.18670	8	—0.77793	6
—22	—53	0.39238	8	—0.37021	6	19	—12	0.17876	8	—0.81252	6
—21	—52	0.38866	8	—0.37373	6	20	—11	0.17044	8	—0.85217	6
—20	—51	0.38490	8	—0.37736	6	21	—10	0.16169	8	—0.89824	6
—19	—50	0.38111	8	—0.38111	6	22	—9	0.15244	8	—0.95265	6
—18	—49	0.37728	8	—0.38498	6	23	—8	0.14260	8	—0.10182	7
—17	—48	0.37341	8	—0.38897	6	24	—7	0.13203	8	—0.10991	7
—16	—47	0.36950	8	—0.39308	6	25	—6	0.12055	8	—0.12019	7
—15	—46	0.36555	8	—0.39733	6	26	—5	0.10788	8	—0.13372	7
—14	—45	0.36155	8	—0.40172	6	27	—4	0.93637	7	—0.15227	7
—13	—44	0.35751	8	—0.40626	6	28	—3	0.77165	7	—0.17885	7
—12	—43	0.34929	8	—0.41582	6	29	—2	0.57428	7	—0.21869	7
—11	—42	0.34511	8	—0.42086	6	30	—1	0.32690	7	—0.28085	7
—10	—41	0.34087	8	—0.42609	6	31	0	0			
—9	—40	0.33659	8	—0.43152	6	32	1	—0.45679	7	0.54636	7
—8	—39	0.33224	8	—0.43716	6	33	2	—0.11291	8	0.82184	7
—7	—38	0.32784	8	—0.44303	6	34	3	—0.21616	8	0.12824	8
—6	—37	0.32338	8	—0.44914	6	35	4	—0.37957	8	0.20509	8
—5	—36	0.31886	8	—0.45551	6	36	5	—0.64319	8	0.33289	8
—4	—35	0.31427	8	—0.46216	6	37	6	—0.10731	9	0.54468	8
—3	—34	0.30961	8	—0.46911	6	38	7	—0.17783	9	0.89487	8
—2	—33	0.30489	8	—0.47639	6	39	8	—0.29382	9	0.14731	9
—1	—32	0.30009	8	—0.48401	6	40	9	—0.48487	9	0.24270	9
0	—31	0.29521	8	—0.49201	6						

Table 72

$u_B = 32$ $\gamma = 7.90 \cdot 1.0^{13}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—72	0.49099	9	—0.23979	9	1	—31	0.48671	8	—0.81119	6
—39	—71	0.30364	9	—0.14272	9	2	—30	0.47853	8	—0.82505	6
—38	—70	0.19335	9	—0.82584	8	3	—29	0.47021	8	—0.83966	6
—37	—69	0.13103	9	—0.45022	8	4	—28	0.46174	8	—0.85507	6
—36	—68	0.98391	8	—0.22310	8	5	—27	0.45310	8	—0.87135	6
—35	—67	0.82925	8	—0.10039	8	6	—26	0.44431	8	—0.88861	6
—34	—66	0.76125	8	—0.43509	7	7	—25	0.43533	8	—0.90693	6
—33	—65	0.73125	8	—0.20076	7	8	—24	0.42616	8	—0.92644	6
—32	—64	0.71642	8	—0.11022	7	9	—23	0.41680	8	—0.94726	6
—31	—63	0.70737	8	—0.76348	6	10	—22	0.40721	8	—0.96955	6
—30	—62	0.70046	8	—0.63994	6	11	—21	0.39740	8	—0.99350	6
—29	—61	0.69431	8	—0.59695	6	12	—20	0.38734	8	—0.10193	7
—28	—60	0.68842	8	—0.58401	6	13	—19	0.37701	8	—0.10472	7
—27	—59	0.68259	8	—0.58230	6	14	—18	0.36638	8	—0.10776	7
—26	—58	0.67676	8	—0.58484	6	15	—17	0.35544	8	—0.11108	7
—25	—57	0.67089	8	—0.58903	6	16	—16	0.34416	8	—0.11472	7
—24	—56	0.66498	8	—0.59393	6	17	—15	0.33249	8	—0.11875	7
—23	—55	0.65901	8	—0.59917	6	18	—14	0.32039	8	—0.12323	7
—22	—54	0.65299	8	—0.60465	6	19	—13	0.30782	8	—0.12826	7
—21	—53	0.64692	8	—0.61031	6	20	—12	0.29472	8	—0.13396	7
—20	—52	0.64079	8	—0.61614	6	21	—11	0.28100	8	—0.14050	7
—19	—51	0.63460	8	—0.62215	6	22	—10	0.26658	8	—0.14809	7
—18	—50	0.62834	8	—0.62834	6	23	—9	0.25134	8	—0.15707	7
—17	—49	0.62203	8	—0.63472	6	24	—8	0.23511	8	—0.16787	7
—16	—48	0.61565	8	—0.64130	6	25	—7	0.21768	8	—0.18121	7
—15	—47	0.60920	8	—0.64809	6	26	—6	0.19875	8	—0.19816	7
—14	—46	0.60269	8	—0.65509	6	27	—5	0.17787	8	—0.22047	7
—13	—45	0.59610	8	—0.66233	6	28	—4	0.15438	8	—0.25106	7
—12	—44	0.58944	8	—0.66982	6	29	—3	0.12722	8	—0.29488	7
—11	—43	0.57589	8	—0.68558	6	30	—2	0.94683	7	—0.36055	7
—10	—42	0.56899	8	—0.69389	6	31	—1	0.53897	7	—0.46305	7
—9	—41	0.56201	8	—0.70251	6	32	0	0			
—8	—40	0.55494	8	—0.71146	6	33	1	—0.75311	7	0.90080	7
—7	—39	0.54778	8	—0.72076	6	34	2	—0.18616	8	0.13550	8
—6	—38	0.54052	8	—0.73043	6	35	3	—0.35639	8	0.21143	8
—5	—37	0.53317	8	—0.74051	6	36	4	—0.62581	8	0.33814	8
—4	—36	0.52571	8	—0.75101	6	37	5	—0.10604	9	0.54884	8
—3	—35	0.51814	8	—0.76198	6	38	6	—0.17693	9	0.89802	8
—2	—34	0.51047	8	—0.77344	6	39	7	—0.29319	9	0.14754	9
—1	—33	0.50267	8	—0.78543	6	40	8	—0.48443	9	0.24287	9
0	—32	0.49476	8	—0.79800	6						

Table 73

$u_B = 33$ $\gamma = 2.15 \cdot 10^{14}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—73	0.50105	9	—0.23510	9	1	—32	0.81572	8	—0.13157	7
—39	—72	0.31945	9	—0.13587	9	2	—31	0.80245	8	—0.13374	7
—38	—71	0.21702	9	—0.73890	8	3	—30	0.78897	8	—0.13603	7
—37	—70	0.16354	9	—0.36487	8	4	—29	0.77524	8	—0.13844	7
—36	—69	0.13828	9	—0.16365	8	5	—28	0.76127	8	—0.14098	7
—35	—68	0.12721	9	—0.70776	7	6	—27	0.74704	8	—0.14366	7
—34	—67	0.12233	9	—0.32621	7	7	—26	0.73254	8	—0.14651	7
—33	—66	0.11992	9	—0.17899	7	8	—25	0.71774	8	—0.14953	7
—32	—65	0.11845	9	—0.12394	7	9	—24	0.70262	8	—0.15274	7
—31	—64	0.11733	9	—0.10385	7	10	—23	0.68718	8	—0.15618	7
—30	—63	0.11633	9	—0.96847	6	11	—22	0.67138	8	—0.15985	7
—29	—62	0.11538	9	—0.94722	6	12	—21	0.65520	8	—0.16380	7
—28	—61	0.11443	9	—0.94418	6	13	—20	0.63861	8	—0.16806	7
—27	—60	0.11349	9	—0.94802	6	14	—19	0.62158	8	—0.17266	7
—26	—59	0.11254	9	—0.95454	6	15	—18	0.60406	8	—0.17767	7
—25	—58	0.11158	9	—0.96219	6	16	—17	0.58603	8	—0.18313	7
—24	—57	0.11061	9	—0.97039	6	17	—16	0.56742	8	—0.18914	7
—23	—56	0.10964	9	—0.97894	6	18	—15	0.54818	8	—0.19578	7
—22	—55	0.10865	9	—0.98777	6	19	—14	0.52824	8	—0.20317	7
—21	—54	0.10766	9	—0.99686	6	20	—13	0.50752	8	—0.21146	7
—20	—53	0.10666	9	—0.10062	7	21	—12	0.48591	8	—0.22087	7
—19	—52	0.10565	9	—0.10158	7	22	—11	0.46330	8	—0.23164	7
—18	—51	0.10463	9	—0.10258	7	23	—10	0.43952	8	—0.24417	7
—17	—50	0.10360	9	—0.10360	7	24	—9	0.41439	8	—0.25896	7
—16	—49	0.10256	9	—0.10465	7	25	—8	0.38763	8	—0.27677	7
—15	—48	0.10150	9	—0.10573	7	26	—7	0.35890	8	—0.29876	7
—14	—47	0.10044	9	—0.10685	7	27	—6	0.32768	8	—0.32671	7
—13	—46	0.99366	8	—0.10801	7	28	—5	0.29326	8	—0.36349	7
—12	—45	0.98280	8	—0.10920	7	29	—4	0.25453	8	—0.41392	7
—11	—44	0.97182	8	—0.11043	7	30	—3	0.20976	8	—0.48618	7
—10	—43	0.94948	8	—0.11303	7	31	—2	0.15611	8	—0.59445	7
—9	—42	0.93810	8	—0.11440	7	32	—1	0.88861	7	—0.76344	7
—8	—41	0.92659	8	—0.11582	7	33	0	0			
—7	—40	0.91494	8	—0.11730	7	34	1	—0.12417	8	0.14852	8
—6	—39	0.90313	8	—0.11883	7	35	2	—0.30693	8	0.22340	8
—5	—38	0.89117	8	—0.12043	7	36	3	—0.58759	8	0.34859	8
—4	—37	0.87904	8	—0.12209	7	37	4	—0.10318	9	0.55750	8
—3	—36	0.86675	8	—0.12382	7	38	5	—0.17484	9	0.90488	8
—2	—35	0.85428	8	—0.12563	7	39	6	—0.29170	9	0.14806	9
—1	—34	0.84162	8	—0.12752	7	40	7	—0.48339	9	0.24325	9
0	—33	0.82877	8	—0.12950	7						

Table 74

$u_B = 34$ $\gamma = 5.83 \cdot 10^{14}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—74	0.52779	9	—0.22354	9	1	—33	0.13664	9	—0.21350	7
—39	—73	0.35942	9	—0.12127	9	2	—32	0.13449	9	—0.21692	7
—38	—72	0.27178	9	—0.59679	8	3	—31	0.13230	9	—0.22050	7
—37	—71	0.23053	9	—0.26683	8	4	—30	0.13008	9	—0.22427	7
—36	—70	0.21249	9	—0.11517	8	5	—29	0.12782	9	—0.22824	7
—35	—69	0.20456	9	—0.53028	7	6	—28	0.12551	9	—0.23243	7
—34	—68	0.20065	9	—0.29079	7	7	—27	0.12317	9	—0.23686	7
—33	—67	0.19826	9	—0.20128	7	8	—26	0.12077	9	—0.24155	7
—32	—66	0.19644	9	—0.16861	7	9	—25	0.11833	9	—0.24653	7
—31	—65	0.19482	9	—0.15720	7	10	—24	0.11584	9	—0.25183	7
—30	—64	0.19327	9	—0.15371	7	11	—23	0.11330	9	—0.25749	7
—29	—63	0.19173	9	—0.15318	7	12	—22	0.11069	9	—0.26355	7
—28	—62	0.19020	9	—0.15376	7	13	—21	0.10802	9	—0.27006	7
—27	—61	0.18866	9	—0.15478	7	14	—20	0.10529	9	—0.27708	7
—26	—60	0.18710	9	—0.15597	7	15	—19	0.10248	9	—0.28467	7
—25	—59	0.18554	9	—0.15725	7	16	—18	0.99593	8	—0.29292	7
—24	—58	0.18396	9	—0.15859	7	17	—17	0.96620	8	—0.30194	7
—23	—57	0.18237	9	—0.15997	7	18	—16	0.93552	8	—0.31184	7
—22	—56	0.18076	9	—0.16139	7	19	—15	0.90380	8	—0.32278	7
—21	—55	0.17914	9	—0.16285	7	20	—14	0.87092	8	—0.33497	7
—20	—54	0.17750	9	—0.16435	7	21	—13	0.83675	8	—0.34865	7
—19	—53	0.17585	9	—0.16590	7	22	—12	0.80113	8	—0.36415	7
—18	—52	0.17418	9	—0.16748	7	23	—11	0.76385	8	—0.38192	7
—17	—51	0.17250	9	—0.16912	7	24	—10	0.72465	8	—0.40256	7
—16	—50	0.17080	9	—0.17080	7	25	—9	0.68321	8	—0.42695	7
—15	—49	0.16908	9	—0.17254	7	26	—8	0.63910	8	—0.45632	7
—14	—48	0.16735	9	—0.17432	7	27	—7	0.59172	8	—0.49257	7
—13	—47	0.16560	9	—0.17617	7	28	—6	0.54026	8	—0.53865	7
—12	—46	0.16383	9	—0.17807	7	29	—5	0.48351	8	—0.59930	7
—11	—45	0.16204	9	—0.18004	7	30	—4	0.41965	8	—0.68244	7
—10	—44	0.16023	9	—0.18207	7	31	—3	0.34583	8	—0.80157	7
—9	—43	0.15654	9	—0.18636	7	32	—2	0.25738	8	—0.98008	7
—8	—42	0.15467	9	—0.18862	7	33	—1	0.14651	8	—0.12587	8
—7	—41	0.15277	9	—0.19096	7	34	0	0			
—6	—40	0.15085	9	—0.19339	7	35	1	—0.20472	8	0.24486	8
—5	—39	0.14890	9	—0.19592	7	36	2	—0.50605	8	0.36832	8
—4	—38	0.14693	9	—0.19855	7	37	3	—0.96878	8	0.57473	8
—3	—37	0.14493	9	—0.20129	7	38	4	—0.17011	9	0.91916	8
—2	—36	0.14290	9	—0.20415	7	39	5	—0.28826	9	0.14919	9
—1	—35	0.14085	9	—0.20713	7	40	6	—0.48094	9	0.24411	9
0	—34	0.13876	9	—0.21024	7						

Table 75

$u_B = 35$ $\gamma = 1.59 \cdot 10^{15}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—75	0.59526	9	—0.19905	9	1	—34	0.22878	9	—0.34663	7
—39	—74	0.45162	9	—0.97626	8	2	—33	0.22528	9	—0.35200	7
—38	—73	0.38423	9	—0.43518	8	3	—32	0.22174	9	—0.35764	7
—37	—72	0.35484	9	—0.18748	8	4	—31	0.21813	9	—0.36355	7
—36	—71	0.34193	9	—0.86234	7	5	—30	0.21446	9	—0.36976	7
—35	—70	0.33557	9	—0.47263	7	6	—29	0.21073	9	—0.37631	7
—34	—69	0.33169	9	—0.32703	7	7	—28	0.20694	9	—0.38321	7
—33	—68	0.32873	9	—0.27388	7	8	—27	0.20307	9	—0.39051	7
—32	—67	0.32610	9	—0.25529	7	9	—26	0.19912	9	—0.39825	7
—31	—66	0.32358	9	—0.24956	7	10	—25	0.19510	9	—0.40646	7
—30	—65	0.32109	9	—0.24863	7	11	—24	0.19099	9	—0.41520	7
—29	—64	0.31860	9	—0.24952	7	12	—23	0.18679	9	—0.42453	7
—28	—63	0.31610	9	—0.25110	7	13	—22	0.18250	9	—0.43452	7
—27	—62	0.31358	9	—0.25297	7	14	—21	0.17810	9	—0.44525	7
—26	—61	0.31104	9	—0.25498	7	15	—20	0.17359	9	—0.45682	7
—25	—60	0.30848	9	—0.25708	7	16	—19	0.16896	9	—0.46934	7
—24	—59	0.30590	9	—0.25924	7	17	—18	0.16420	9	—0.48295	7
—23	—58	0.30330	9	—0.26146	7	18	—17	0.15930	9	—0.49781	7
—22	—57	0.30067	9	—0.26375	7	19	—16	0.15424	9	—0.51414	7
—21	—56	0.29802	9	—0.26609	7	20	—15	0.14901	9	—0.53218	7
—20	—55	0.29535	9	—0.26850	7	21	—14	0.14359	9	—0.55227	7
—19	—54	0.29265	9	—0.27097	7	22	—13	0.13796	9	—0.57482	7
—18	—53	0.28993	9	—0.27352	7	23	—12	0.13208	9	—0.60038	7
—17	—52	0.28718	9	—0.27614	7	24	—11	0.12594	9	—0.62967	7
—16	—51	0.28441	9	—0.27883	7	25	—10	0.11947	9	—0.66371	7
—15	—50	0.28160	9	—0.28160	7	26	—9	0.11264	9	—0.70392	7
—14	—49	0.27877	9	—0.28446	7	27	—8	0.10537	9	—0.75235	7
—13	—48	0.27591	9	—0.28741	7	28	—7	0.97558	8	—0.81212	7
—12	—47	0.27302	9	—0.29045	7	29	—6	0.89073	8	—0.88808	7
—11	—46	0.27010	9	—0.29359	7	30	—5	0.79717	8	—0.98808	7
—10	—45	0.26715	9	—0.29684	7	31	—4	0.69189	8	—0.11252	8
—9	—44	0.26417	9	—0.30019	7	32	—3	0.57017	8	—0.13216	8
—8	—43	0.25809	9	—0.30725	7	33	—2	0.42434	8	—0.16159	8
—7	—42	0.25500	9	—0.31098	7	34	—1	0.24155	8	—0.20753	8
—6	—41	0.25187	9	—0.31484	7	35	0	0			
—5	—40	0.24871	9	—0.31885	7	36	1	—0.33752	8	0.40371	8
—4	—39	0.24550	9	—0.32302	7	37	2	—0.83433	8	0.60726	8
—3	—38	0.24224	9	—0.32736	7	38	3	—0.15972	9	0.94757	8
—2	—37	0.23895	9	—0.33187	7	39	4	—0.28047	9	0.15154	9
—1	—36	0.23561	9	—0.33658	7	40	5	—0.47526	9	0.24597	9
0	—35	0.23222	9	—0.34149	7						

Table 76

$u_B = 36$ $\gamma = 4.31 \cdot 10^{15}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—76	0.75036	9	—0.15972	9	1	—35	0.38286	9	—0.56303	7
—39	—75	0.64026	9	—0.70990	8	2	—34	0.37719	9	—0.57150	7
—38	—74	0.59236	9	—0.30528	8	3	—33	0.37143	9	—0.58036	7
—37	—73	0.57135	9	—0.14029	8	4	—32	0.36558	9	—0.58964	7
—36	—72	0.56100	9	—0.76849	7	5	—31	0.35963	9	—0.59939	7
—35	—71	0.55469	9	—0.53158	7	6	—30	0.35359	9	—0.60964	7
—34	—70	0.54988	9	—0.44507	7	7	—29	0.34744	9	—0.62043	7
—33	—69	0.54561	9	—0.41475	7	8	—28	0.34118	9	—0.63181	7
—32	—68	0.54152	9	—0.40536	7	9	—27	0.33480	9	—0.64385	7
—31	—67	0.53748	9	—0.40376	7	10	—26	0.32830	9	—0.65660	7
—30	—66	0.53343	9	—0.40510	7	11	—25	0.32167	9	—0.67014	7
—29	—65	0.52937	9	—0.40757	7	12	—24	0.31489	9	—0.68455	7
—28	—64	0.52528	9	—0.41051	7	13	—23	0.30797	9	—0.69994	7
—27	—63	0.52116	9	—0.41367	7	14	—22	0.30089	9	—0.71641	7
—26	—62	0.51701	9	—0.41696	7	15	—21	0.29364	9	—0.73410	7
—25	—61	0.51282	9	—0.42035	7	16	—20	0.28621	9	—0.75317	7
—24	—60	0.50860	9	—0.42384	7	17	—19	0.27857	9	—0.77381	7
—23	—59	0.50434	9	—0.42741	7	18	—18	0.27072	9	—0.79624	7
—22	—58	0.50005	9	—0.43108	7	19	—17	0.26264	9	—0.82075	7
—21	—57	0.49572	9	—0.43484	7	20	—16	0.25430	9	—0.84767	7
—20	—56	0.49135	9	—0.43871	7	21	—15	0.24568	9	—0.87742	7
—19	—55	0.48695	9	—0.44268	7	22	—14	0.23674	9	—0.91054	7
—18	—54	0.48250	9	—0.44676	7	23	—13	0.22745	9	—0.94772	7
—17	—53	0.47801	9	—0.45095	7	24	—12	0.21777	9	—0.98985	7
—16	—52	0.47348	9	—0.45527	7	25	—11	0.20764	9	—0.10382	8
—15	—51	0.46891	9	—0.45971	7	26	—10	0.19698	9	—0.10943	8
—14	—50	0.46429	9	—0.46429	7	27	—9	0.18572	9	—0.11606	8
—13	—49	0.45962	9	—0.46900	7	28	—8	0.17372	9	—0.12404	8
—12	—48	0.45491	9	—0.47386	7	29	—7	0.16085	9	—0.13390	8
—11	—47	0.45014	9	—0.47887	7	30	—6	0.14686	9	—0.14642	8
—10	—46	0.44533	9	—0.48405	7	31	—5	0.13143	9	—0.16291	8
—9	—45	0.44046	9	—0.48940	7	32	—4	0.11407	9	—0.18551	8
—8	—44	0.43554	9	—0.49493	7	33	—3	0.94006	8	—0.21789	8
—7	—43	0.42553	9	—0.50658	7	34	—2	0.69962	8	—0.26641	8
—6	—42	0.42043	9	—0.51272	7	35	—1	0.39825	8	—0.34215	8
—5	—41	0.41527	9	—0.51909	7	36	0	0			
—4	—40	0.41005	9	—0.52570	7	37	1	—0.55648	8	0.66561	8
—3	—39	0.40476	9	—0.53257	7	38	2	—0.13756	9	0.10012	9
—2	—38	0.39939	9	—0.53972	7	39	3	—0.26334	9	0.15623	9
—1	—37	0.39396	9	—0.54717	7	40	4	—0.46242	9	0.24985	9
0	—36	0.38845	9	—0.55493	7						

Table 77

$u_B = 37$ $\gamma = 1.17 \cdot 10^{16}$

u_B	Y	$F(Y,\gamma)$		dF/dY		u_S	Y	$F(Y,\gamma)$		dF/dY	
—40	—77	0.10667	10	—0.11583	9	1	—36	0.64045	9	—0.91492	7
—39	—76	0.98856	9	—0.49725	8	2	—35	0.63123	9	—0.92828	7
—38	—75	0.95435	9	—0.22830	8	3	—34	0.62188	9	—0.94224	7
—37	—74	0.93752	9	—0.12500	8	4	—33	0.61238	9	—0.95685	7
—36	—73	0.92726	9	—0.86440	7	5	—32	0.60274	9	—0.97216	7
—35	—72	0.91944	9	—0.72355	7	6	—31	0.59294	9	—0.98823	7
—34	—71	0.91249	9	—0.67412	7	7	—30	0.58297	9	—0.10051	8
—33	—70	0.90584	9	—0.65871	7	8	—29	0.57283	9	—0.10229	8
—32	—69	0.89928	9	—0.65598	7	9	—28	0.56251	9	—0.10417	8
—31	—68	0.89271	9	—0.65801	7	10	—27	0.55199	9	—0.10615	8
—30	—67	0.88611	9	—0.66187	7	11	—26	0.54127	9	—0.10825	8
—29	—66	0.87947	9	—0.66649	7	12	—25	0.53034	9	—0.11049	8
—28	—65	0.87278	9	—0.67145	7	13	—24	0.51917	9	—0.11286	8
—27	—64	0.86604	9	—0.67662	7	14	—23	0.50776	9	—0.11540	8
—26	—63	0.85925	9	—0.68195	7	15	—22	0.49609	9	—0.11812	8
—25	—62	0.85240	9	—0.68742	7	16	—21	0.48413	9	—0.12103	8
—24	—61	0.84550	9	—0.69303	7	17	—20	0.47187	9	—0.12418	8
—23	—60	0.83854	9	—0.69878	7	18	—19	0.45929	9	—0.12758	8
—22	—59	0.83152	9	—0.70468	7	19	—18	0.44635	9	—0.13128	8
—21	—58	0.82445	9	—0.71073	7	20	—17	0.43302	9	—0.13532	8
—20	—57	0.81731	9	—0.71694	7	21	—16	0.41927	9	—0.13976	8
—19	—56	0.81011	9	—0.72331	7	22	—15	0.40505	9	—0.14466	8
—18	—55	0.80284	9	—0.72986	7	23	—14	0.39032	9	—0.15012	8
—17	—54	0.79551	9	—0.73658	7	24	—13	0.37501	9	—0.15625	8
—16	—53	0.78811	9	—0.74350	7	25	—12	0.35904	9	—0.16320	8
—15	—52	0.78064	9	—0.75061	7	26	—11	0.34233	9	—0.17116	8
—14	—51	0.77310	9	—0.75794	7	27	—10	0.32477	9	—0.18042	8
—13	—50	0.76548	9	—0.76548	7	28	—9	0.30619	9	—0.19134	8
—12	—49	0.75778	9	—0.77325	7	29	—8	0.28642	9	—0.20451	8
—11	—48	0.75001	9	—0.78126	7	30	—7	0.26519	9	—0.22076	8
—10	—47	0.74216	9	—0.78953	7	31	—6	0.24213	9	—0.24141	8
—9	—46	0.73422	9	—0.79807	7	32	—5	0.21669	9	—0.26859	8
—8	—45	0.72620	9	—0.80689	7	33	—4	0.18807	9	—0.30585	8
—7	—44	0.71808	9	—0.81600	7	34	—3	0.15499	9	—0.35924	8
—6	—43	0.70157	9	—0.83521	7	35	—2	0.11535	9	—0.43924	8
—5	—42	0.69317	9	—0.84533	7	36	—1	0.65660	8	—0.56411	8
—4	—41	0.68466	9	—0.85583	7	37	0	0			
—3	—40	0.67605	9	—0.86673	7	38	1	—0.91748	8	0.10974	9
—2	—39	0.66733	9	—0.87806	7	39	2	—0.22680	9	0.16507	9
—1	—38	0.65849	9	—0.88985	7	40	3	—0.43418	9	0.25758	9
0	—37	0.64953	9	—0.90212	7						

Table 78

$u_B = 38$ $\gamma = 3.19 \cdot 10^{16}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—78	0.16493	10	—0.81017	8	1	—37	0.10709	10	—0.14874	8
—39	—77	0.15936	10	—0.37165	8	2	—36	0.10559	10	—0.15085	8
—38	—76	0.15662	10	—0.20340	8	3	—35	0.10407	10	—0.15305	8
—37	—75	0.15495	10	—0.14061	8	4	—34	0.10253	10	—0.15535	8
—36	—74	0.15368	10	—0.11767	8	5	—33	0.10096	10	—0.15776	8
—35	—73	0.15255	10	—0.10961	8	6	—32	0.99375	9	—0.16028	8
—34	—72	0.15147	10	—0.10708	8	7	—31	0.97759	9	—0.16293	8
—33	—71	0.15040	10	—0.10662	8	8	—30	0.96116	9	—0.16572	8
—32	—70	0.14933	10	—0.10693	8	9	—29	0.94444	9	—0.16865	8
—31	—69	0.14826	10	—0.10753	8	10	—28	0.92742	9	—0.17174	8
—30	—68	0.14718	10	—0.10826	8	11	—27	0.91008	9	—0.17502	8
—29	—67	0.14609	10	—0.10904	8	12	—26	0.89241	9	—0.17848	8
—28	—66	0.14500	10	—0.10985	8	13	—25	0.87438	9	—0.18216	8
—27	—65	0.14390	10	—0.11069	8	14	—24	0.85597	9	—0.18608	8
—26	—64	0.14279	10	—0.11155	8	15	—23	0.83716	9	—0.19026	8
—25	—63	0.14167	10	—0.11243	8	16	—22	0.81791	9	—0.19474	8
—24	—62	0.14054	10	—0.11334	8	17	—21	0.79820	9	—0.19955	8
—23	—61	0.13940	10	—0.11426	8	18	—20	0.77799	9	—0.20473	8
—22	—60	0.13825	10	—0.11521	8	19	—19	0.75724	9	—0.21034	8
—21	—59	0.13709	10	—0.11618	8	20	—18	0.73590	9	—0.21644	8
—20	—58	0.13593	10	—0.11718	8	21	—17	0.71393	9	—0.22310	8
—19	—57	0.13475	10	—0.11820	8	22	—16	0.69126	9	—0.23042	8
—18	—56	0.13356	10	—0.11925	8	23	—15	0.66782	9	—0.23851	8
—17	—55	0.13237	10	—0.12033	8	24	—14	0.64353	9	—0.24751	8
—16	—54	0.13116	10	—0.12144	8	25	—13	0.61828	9	—0.25762	8
—15	—53	0.12994	10	—0.12258	8	26	—12	0.59196	9	—0.26907	8
—14	—52	0.12871	10	—0.12376	8	27	—11	0.56441	9	—0.28220	8
—13	—51	0.12746	10	—0.12496	8	28	—10	0.53545	9	—0.29746	8
—12	—50	0.12621	10	—0.12621	8	29	—9	0.50483	9	—0.31547	8
—11	—49	0.12494	10	—0.12749	8	30	—8	0.47223	9	—0.33718	8
—10	—48	0.12366	10	—0.12881	8	31	—7	0.43722	9	—0.36397	8
—9	—47	0.12236	10	—0.13017	8	32	—6	0.39920	9	—0.39801	8
—8	—46	0.12105	10	—0.13158	8	33	—5	0.35727	9	—0.44283	8
—7	—45	0.11973	10	—0.13303	8	34	—4	0.31008	9	—0.50426	8
—6	—44	0.11839	10	—0.13454	8	35	—3	0.25553	9	—0.59229	8
—5	—43	0.11567	10	—0.13770	8	36	—2	0.19018	9	—0.72419	8
—4	—42	0.11428	10	—0.13937	8	37	—1	0.10825	9	—0.93006	8
—3	—41	0.11288	10	—0.14110	8	38	0	0			
—2	—40	0.11146	10	—0.14290	8	39	1	—0.15127	9	0.18093	9
—1	—39	0.11002	10	—0.14477	8	40	2	—0.37392	9	0.27216	9
0	—38	0.10857	10	—0.14671	8						

Table 79

$u_B = 39$ $\gamma = 8.66 \cdot 10^{16}$

u_s	Y	$F(Y,\gamma)$		dF/dY		u_s	Y	$F(Y,\gamma)$		dF/dY	
—40	—79	0.26601	10	—0.60519	8	1	—38	0.17900	10	—0.24189	8
—39	—78	0.26155	10	—0.33108	8	2	—37	0.17656	10	—0.24522	8
—38	—77	0.25883	10	—0.22881	8	3	—36	0.17409	10	—0.24870	8
—37	—76	0.25676	10	—0.19144	8	4	—35	0.17159	10	—0.25233	8
—36	—75	0.25493	10	—0.17829	8	5	—34	0.16904	10	—0.25613	8
—35	—74	0.25317	10	—0.17415	8	6	—33	0.16646	10	—0.26010	8
—34	—73	0.25143	10	—0.17336	8	7	—32	0.16384	10	—0.26426	8
—33	—72	0.24970	10	—0.17383	8	8	—31	0.16118	10	—0.26863	8
—32	—71	0.24796	10	—0.17477	8	9	—30	0.15847	10	—0.27322	8
—31	—70	0.24620	10	—0.17592	8	10	—29	0.15571	10	—0.27806	8
—30	—69	0.24444	10	—0.17715	8	11	—28	0.15291	10	—0.28316	8
—29	—68	0.24266	10	—0.17843	8	12	—27	0.15005	10	—0.28855	8
—28	—67	0.24087	10	—0.17976	8	13	—26	0.14713	10	—0.29427	8
—27	—66	0.23906	10	—0.18111	8	14	—25	0.14416	10	—0.30034	8
—26	—65	0.23725	10	—0.18250	8	15	—24	0.14113	10	—0.30680	8
—25	—64	0.23541	10	—0.18392	8	16	—23	0.13802	10	—0.31369	8
—24	—63	0.23357	10	—0.18537	8	17	—22	0.13485	10	—0.32107	8
—23	—62	0.23171	10	—0.18686	8	18	—21	0.13160	10	—0.32900	8
—22	—61	0.22983	10	—0.18839	8	19	—20	0.12827	10	—0.33755	8
—21	—60	0.22794	10	—0.18995	8	20	—19	0.12485	10	—0.34680	8
—20	—59	0.22603	10	—0.19155	8	21	—18	0.12133	10	—0.35685	8
—19	—58	0.22411	10	—0.19320	8	22	—17	0.11771	10	—0.36783	8
—18	—57	0.22217	10	—0.19488	8	23	—16	0.11397	10	—0.37990	8
—17	—56	0.22021	10	—0.19662	8	24	—15	0.11010	10	—0.39323	8
—16	—55	0.21823	10	—0.19840	8	25	—14	0.10610	10	—0.40808	8
—15	—54	0.21624	10	—0.20022	8	26	—13	0.10194	10	—0.42474	8
—14	—53	0.21423	10	—0.20210	8	27	—12	0.97598	9	—0.44362	8
—13	—52	0.21220	10	—0.20404	8	28	—11	0.93056	9	—0.46527	8
—12	—51	0.21015	10	—0.20603	8	29	—10	0.88280	9	—0.49042	8
—11	—50	0.20808	10	—0.20808	8	30	—9	0.83232	9	—0.52013	8
—10	—49	0.20599	10	—0.21019	8	31	—8	0.77858	9	—0.55591	8
—9	—48	0.20387	10	—0.21237	8	32	—7	0.72086	9	—0.60008	8
—8	—47	0.20174	10	—0.21462	8	33	—6	0.65817	9	—0.65621	8
—7	—46	0.19958	10	—0.21694	8	34	—5	0.58903	9	—0.73010	8
—6	—45	0.19740	10	—0.21933	8	35	—4	0.51124	9	—0.83138	8
—5	—44	0.19520	10	—0.22181	8	36	—3	0.42131	9	—0.97652	8
—4	—43	0.19071	10	—0.22703	8	37	—2	0.31355	9	—0.11940	9
—3	—42	0.18842	10	—0.22978	8	38	—1	0.17848	9	—0.15334	9
—2	—41	0.18611	10	—0.23264	8	39	0	0			
—1	—40	0.18377	10	—0.23560	8	40	1	—0.24940	9	0.29830	9
0	—39	0.18140	10	—0.23868	8						