

二変数ガンマ分布とその適用に関する研究 (3)

——二変数指数分布の数値表——

長 尾 正 志・角 屋 睦

STUDY ON TWO-VARIATE GAMMA DISTRIBUTION AND ITS ENGINEERING APPLICATION (3)

——Numerical Table of Two-Variate Exponential Distribution——

By Masashi NAGAO and Mutsumi KADOYA

Synopsis

By using the theory of two-variate exponential distribution, the conditional probability function, $f(x_2|x_1)$, of x_2 for a fixed value, x_1 , is given as follows:

$$f(x_2|x_1) = \frac{1}{\sigma_2(1-\rho)} \exp \left\{ -\frac{\rho x_1}{\sigma_1(1-\rho)} - \frac{x_2}{\sigma_2(1-\rho)} \right\} \cdot I_0 \left(\frac{2\sqrt{\rho}}{1-\rho} \sqrt{\frac{x_1 x_2}{\sigma_1 \sigma_2}} \right)$$

in which σ_1 and σ_2 are scale parameters; ρ is correlation parameter; and $I_0(z)$ means the modified Bessel function of the 0 degree. Then, using the standardized variables $\xi = x_1/\sigma_1$ and $\eta = x_2/\sigma_2$, the conditional cumulative distribution function, $F(\eta|\xi)$, for a fixed value of ξ is defined by the following.

$$F(\eta|\xi) \equiv \int_0^\eta f(\eta|\xi) d\eta = \frac{1}{1-\rho} \exp \left(-\frac{\rho\xi}{1-\rho} \right) \int_0^\eta \exp \left(-\frac{\eta}{1-\rho} \right) \cdot I_0 \left(\frac{2\sqrt{\rho}}{1-\rho} \sqrt{\xi\eta} \right) d\eta$$

In this table, the value of η has been shown for $F(\eta|\xi) = 0.001(0.001)0.01(0.01)0.20(0.05)0.80(0.01)0.99(0.001)0.999$, $\xi = 0(0.25)3.00(0.5)5(1)10(2)18$ and $\rho = 0.1(0.1)0.9$. In it, for example, the numerical values $0.1234-1$ means 0.1234×10^{-1} .

二変数 x_1, x_2 に関する二変数指数分布の理論によれば標準化変量 $\xi = x_1/\sigma_1, \eta = x_2/\sigma_2$ を用いた場合、独立変数 ξ を与えたときの従属変数 η の条件付非超過確率 $F(\eta|\xi)$ は次式で与えられる。

$$F(\eta|\xi) \equiv \int_0^\eta f(\eta|\xi) d\eta \\ = \int_0^\eta \frac{1}{1-\rho} \exp \left(-\frac{\rho\xi + \eta}{1-\rho} \right) \cdot I_0 \left(\frac{2\sqrt{\rho}}{1-\rho} \sqrt{\xi\eta} \right) d\eta$$

ただし、 σ_1, σ_2 は尺度母数、 ρ は相関母数とよばれる定数であり、 $I_0(z)$ は 0 次の変形ベッセル関数である。 ρ, ξ および η の種々の値に対する $F(\eta|\xi)$ の値は数表として第 1 報で準備されたが、今回さらに実用計算上の便宜を考えて、それを ξ および F を与えて η を求める形に整理したものが Table 1-(a), 1-(b), ..., 9-(a), 9-(b) である。なお、数表中において、たとえば数値 $0.1234-1$ は 0.1234×10^{-1} を意味している。

$$|E \setminus (E \setminus E)|$$
[illegible]

Table 1-(b) Continued, for $\rho = 0.1$.

$F(\eta_0^2)\xi$	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0	16.0				
0.001	0.1328	-2	0.1604	-2	0.1516	-2	0.1995	-2	0.2446	-2	0.2428	-2	0.3215	-2	0.4628	-2
0.002	0.2658	-2	0.2810	-2	0.2970	-2	0.3108	-2	0.3282	-2	0.3486	-2	0.3656	-2	0.3830	-2
0.003	0.3988	-2	0.4216	-2	0.4457	-2	0.4624	-2	0.4812	-2	0.5018	-2	0.5197	-2	0.5374	-2
0.004	0.5321	-2	0.5624	-2	0.5945	-2	0.6284	-2	0.6642	-2	0.7018	-2	0.7412	-2	0.7824	-2
0.005	0.6658	-2	0.7044	-2	0.7453	-2	0.7884	-2	0.8336	-2	0.8808	-2	0.9292	-2	0.9788	-2
0.006	0.7998	-2	0.8424	-2	0.8873	-2	0.9344	-2	0.9836	-2	1.0348	-2	1.0880	-2	1.1432	-2
0.007	0.9324	-2	0.9856	-2	1.0411	-2	1.1000	-2	1.1613	-2	1.2250	-2	1.2912	-2	1.3598	-2
0.008	1.0646	-2	1.1277	-2	1.1941	-2	1.2640	-2	1.3374	-2	1.4142	-2	1.4936	-2	1.5756	-2
0.009	1.1968	-2	1.2701	-2	1.3477	-2	1.4296	-2	1.5158	-2	1.6064	-2	1.7016	-2	1.8016	-2
0.010	1.3292	-2	1.4136	-2	1.5024	-2	1.5956	-2	1.6932	-2	1.7954	-2	1.9022	-2	2.0136	-2
0.02	0.2680	-1	0.2832	-1	0.2992	-1	0.3150	-1	0.3316	-1	0.3490	-1	0.3672	-1	0.3860	-1
0.03	0.4028	-1	0.4267	-1	0.4507	-1	0.4761	-1	0.5021	-1	0.5286	-1	0.5556	-1	0.5830	-1
0.04	0.5410	-1	0.5715	-1	0.6036	-1	0.6371	-1	0.6720	-1	0.7082	-1	0.7456	-1	0.7842	-1
0.05	0.6794	-1	0.7176	-1	0.7578	-1	0.8001	-1	0.8444	-1	0.8908	-1	0.9392	-1	0.9896	-1
0.06	0.8178	-1	0.8644	-1	0.9132	-1	0.9642	-1	1.0174	-1	1.0728	-1	1.1304	-1	1.1902	-1
0.07	0.9562	-1	1.0014	-1	1.0492	-1	1.1000	-1	1.1538	-1	1.2106	-1	1.2704	-1	1.3332	-1
0.08	1.0946	-1	1.1400	-1	1.1880	-1	1.2384	-1	1.2912	-1	1.3464	-1	1.4040	-1	1.4640	-1
0.09	1.2330	-1	1.2800	-1	1.3296	-1	1.3818	-1	1.4366	-1	1.4940	-1	1.5540	-1	1.6166	-1
0.10	1.3714	-1	1.4200	-1	1.4702	-1	1.5220	-1	1.5754	-1	1.6314	-1	1.6898	-1	1.7506	-1
0.11	1.5098	-1	1.5600	-1	1.6128	-1	1.6682	-1	1.7262	-1	1.7868	-1	1.8500	-1	1.9158	-1
0.12	1.6482	-1	1.7000	-1	1.7534	-1	1.8094	-1	1.8680	-1	1.9292	-1	1.9930	-1	2.0594	-1
0.13	1.7866	-1	1.8400	-1	1.8950	-1	1.9516	-1	2.0100	-1	2.0712	-1	2.1350	-1	2.2014	-1
0.14	1.9250	-1	1.9800	-1	2.0360	-1	2.0938	-1	2.1534	-1	2.2148	-1	2.2788	-1	2.3454	-1
0.15	2.0634	-1	2.1200	-1	2.1782	-1	2.2380	-1	2.2994	-1	2.3624	-1	2.4270	-1	2.4942	-1
0.16	2.2018	-1	2.2600	-1	2.3196	-1	2.3808	-1	2.4436	-1	2.5080	-1	2.5740	-1	2.6416	-1
0.17	2.3402	-1	2.4000	-1	2.4612	-1	2.5240	-1	2.5884	-1	2.6544	-1	2.7220	-1	2.7912	-1
0.18	2.4786	-1	2.5400	-1	2.6028	-1	2.6672	-1	2.7332	-1	2.8008	-1	2.8700	-1	2.9408	-1
0.19	2.6170	-1	2.6800	-1	2.7442	-1	2.8100	-1	2.8774	-1	2.9464	-1	3.0170	-1	3.0892	-1
0.20	2.7554	-1	2.8200	-1	2.8858	-1	2.9530	-1	3.0218	-1	3.0922	-1	3.1642	-1	3.2378	-1
0.30	0.8641	-0	0.9395	-0	0.9797	-0	0.1024	-0	0.1084	-0	0.1132	-0	0.1171	-0	0.1210	-0
0.55	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.60	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.65	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.70	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.75	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.80	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.85	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.86	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.87	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.88	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.89	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.90	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.91	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.92	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.93	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.94	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.95	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.96	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.97	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.98	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.99	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.990	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.991	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.992	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.993	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.994	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.995	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.996	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.997	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.998	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1
0.999	0.1179	+1	0.1226	+1	0.1269	+1	0.1308	+1	0.1344	+1	0.1377	+1	0.1408	+1	0.1438	+1

Table 2-(a) Values of η for $F(\eta|\xi)$ and ξ , for $\rho=0.2$.

$F(\eta \xi) \setminus \xi$	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
0.001	0.8004	0.8520	0.9070	0.9655	1.0108	1.0594	1.1115	1.1640	1.2130	1.2605	1.3065	1.3500	1.3900
0.002	0.1602	0.1705	0.1815	0.1932	0.2056	0.2189	0.2330	0.2480	0.2640	0.2810	0.2980	0.3150	0.3320
0.003	0.2604	0.2755	0.2924	0.3099	0.3286	0.3482	0.3697	0.3932	0.4187	0.4462	0.4757	0.5072	0.5407
0.004	0.3606	0.3805	0.4013	0.4230	0.4464	0.4717	0.5000	0.5313	0.5656	0.6029	0.6432	0.6865	0.7328
0.005	0.4614	0.4855	0.5105	0.5365	0.5635	0.5915	0.6205	0.6515	0.6845	0.7195	0.7565	0.7955	0.8365
0.006	0.5620	0.5902	0.6188	0.6478	0.6772	0.7070	0.7382	0.7705	0.8048	0.8410	0.8792	0.9195	0.9618
0.007	0.6636	0.6952	0.7281	0.7624	0.7980	0.8348	0.8728	0.9120	0.9524	0.9940	1.0368	1.0808	1.1260
0.008	0.7652	0.8002	0.8365	0.8740	0.9126	0.9514	0.9904	1.0305	1.0717	1.1140	1.1574	1.2020	1.2478
0.009	0.8668	0.9042	0.9429	0.9818	1.0210	1.0604	1.1000	1.1408	1.1828	1.2259	1.2701	1.3154	1.3618
0.01	0.9684	1.0072	1.0465	1.0861	1.1260	1.1660	1.2062	1.2466	1.2881	1.3307	1.3744	1.4191	1.4648
0.02	1.0699	1.1102	1.1509	1.1918	1.2329	1.2741	1.3154	1.3568	1.3983	1.4408	1.4843	1.5288	1.5743
0.03	1.1714	1.2127	1.2541	1.2956	1.3371	1.3786	1.4201	1.4616	1.5031	1.5446	1.5861	1.6276	1.6691
0.04	1.2729	1.3142	1.3556	1.3970	1.4384	1.4798	1.5212	1.5626	1.6040	1.6454	1.6868	1.7282	1.7696
0.05	1.3744	1.4157	1.4570	1.4983	1.5396	1.5809	1.6222	1.6635	1.7048	1.7461	1.7874	1.8287	1.8699
0.06	1.4759	1.5172	1.5585	1.5998	1.6411	1.6824	1.7237	1.7650	1.8063	1.8476	1.8889	1.9302	1.9715
0.07	1.5774	1.6187	1.6599	1.7012	1.7425	1.7838	1.8251	1.8664	1.9077	1.9490	1.9903	2.0316	2.0729
0.08	1.6789	1.7202	1.7615	1.8028	1.8441	1.8854	1.9267	1.9680	2.0093	2.0506	2.0919	2.1332	2.1745
0.09	1.7804	1.8217	1.8630	1.9043	1.9456	1.9869	2.0282	2.0695	2.1108	2.1521	2.1934	2.2347	2.2760
0.10	1.8819	1.9232	1.9645	2.0058	2.0471	2.0884	2.1297	2.1710	2.2123	2.2536	2.2949	2.3362	2.3775
0.15	2.4834	2.5247	2.5660	2.6073	2.6486	2.6899	2.7312	2.7725	2.8138	2.8551	2.8964	2.9377	2.9790
0.20	3.0849	3.1262	3.1675	3.2088	3.2501	3.2914	3.3327	3.3740	3.4153	3.4566	3.4979	3.5392	3.5805
0.25	3.6864	3.7277	3.7690	3.8103	3.8516	3.8929	3.9342	3.9755	4.0168	4.0581	4.0994	4.1407	4.1820
0.30	4.2879	4.3292	4.3705	4.4118	4.4531	4.4944	4.5357	4.5770	4.6183	4.6596	4.7009	4.7422	4.7835
0.35	4.8894	4.9307	4.9720	5.0133	5.0546	5.0959	5.1372	5.1785	5.2198	5.2611	5.3024	5.3437	5.3850
0.40	5.4909	5.5322	5.5735	5.6148	5.6561	5.6974	5.7387	5.7800	5.8213	5.8626	5.9039	5.9452	5.9865
0.45	6.0924	6.1337	6.1750	6.2163	6.2576	6.2989	6.3402	6.3815	6.4228	6.4641	6.5054	6.5467	6.5880
0.50	6.6939	6.7352	6.7765	6.8178	6.8591	6.9004	6.9417	6.9830	7.0243	7.0656	7.1069	7.1482	7.1895
0.55	7.2954	7.3367	7.3780	7.4193	7.4606	7.5019	7.5432	7.5845	7.6258	7.6671	7.7084	7.7497	7.7910
0.60	7.8969	7.9382	7.9795	8.0208	8.0621	8.1034	8.1447	8.1860	8.2273	8.2686	8.3099	8.3512	8.3925
0.65	8.4984	8.5397	8.5810	8.6223	8.6636	8.7049	8.7462	8.7875	8.8288	8.8701	8.9114	8.9527	8.9940
0.70	9.0999	9.1412	9.1825	9.2238	9.2651	9.3064	9.3477	9.3890	9.4303	9.4716	9.5129	9.5542	9.5955
0.75	9.6964	9.7377	9.7790	9.8203	9.8616	9.9029	9.9442	9.9855	10.0268	10.0681	10.1094	10.1507	10.1920
0.80	10.2939	10.3352	10.3765	10.4178	10.4591	10.5004	10.5417	10.5830	10.6243	10.6656	10.7069	10.7482	10.7895
0.85	10.8914	10.9327	10.9740	11.0153	11.0566	11.0979	11.1392	11.1805	11.2218	11.2631	11.3044	11.3457	11.3870
0.86	11.4289	11.4702	11.5115	11.5528	11.5941	11.6354	11.6767	11.7180	11.7593	11.8006	11.8419	11.8832	11.9245
0.87	11.9664	12.0077	12.0490	12.0903	12.1316	12.1729	12.2142	12.2555	12.2968	12.3381	12.3794	12.4207	12.4620
0.88	12.5039	12.5452	12.5865	12.6278	12.6691	12.7104	12.7517	12.7930	12.8343	12.8756	12.9169	12.9582	13.0000
0.89	13.0414	13.0827	13.1240	13.1653	13.2066	13.2479	13.2892	13.3305	13.3718	13.4131	13.4544	13.4957	13.5370
0.90	13.5794	13.6207	13.6620	13.7033	13.7446	13.7859	13.8272	13.8685	13.9098	13.9511	13.9924	14.0337	14.0750
0.91	14.1169	14.1582	14.1995	14.2408	14.2821	14.3234	14.3647	14.4060	14.4473	14.4886	14.5299	14.5712	14.6125
0.92	14.6544	14.6957	14.7370	14.7783	14.8196	14.8609	14.9022	14.9435	14.9848	15.0261	15.0674	15.1087	15.1500
0.93	15.1924	15.2337	15.2750	15.3163	15.3576	15.3989	15.4402	15.4815	15.5228	15.5641	15.6054	15.6467	15.6880
0.94	15.7299	15.7712	15.8125	15.8538	15.8951	15.9364	15.9777	16.0190	16.0603	16.1016	16.1429	16.1842	16.2255
0.95	16.2674	16.3087	16.3500	16.3913	16.4326	16.4739	16.5152	16.5565	16.5978	16.6391	16.6804	16.7217	16.7630
0.96	16.8049	16.8462	16.8875	16.9288	16.9701	17.0114	17.0527	17.0940	17.1353	17.1766	17.2179	17.2592	17.3005
0.97	17.3479	17.3892	17.4305	17.4718	17.5131	17.5544	17.5957	17.6370	17.6783	17.7196	17.7609	17.8022	17.8435
0.98	17.8854	17.9267	17.9680	18.0093	18.0506	18.0919	18.1332	18.1745	18.2158	18.2571	18.2984	18.3397	18.3810
0.99	18.4289	18.4702	18.5115	18.5528	18.5941	18.6354	18.6767	18.7180	18.7593	18.8006	18.8419	18.8832	18.9245
1.00	19.0000	19.0413	19.0826	19.1239	19.1652	19.2065	19.2478	19.2891	19.3304	19.3717	19.4130	19.4543	19.4956

$F(\eta) \backslash \xi$	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0	16.0	18.0
0.001	0.1919 ⁻²	0.2175 ⁻²	0.2464 ⁻²	0.2791 ⁻²	0.3381 ⁻²	0.4994 ⁻²	0.5890 ⁻²	0.7746 ⁻²	0.9693 ⁻²	0.1796 ⁻¹	0.2948 ⁻¹	0.4098 ⁻¹	0.5135 ⁻¹
0.002	0.0839 ⁻²	0.0949 ⁻²	0.1066 ⁻²	0.1202 ⁻²	0.1385 ⁻²	0.1618 ⁻²	0.1874 ⁻²	0.2151 ⁻²	0.2453 ⁻²	0.3095 ⁻²	0.4020 ⁻²	0.5012 ⁻²	0.6145 ⁻²
0.004	0.7681 ⁻²	0.8699 ⁻²	0.9849 ⁻²	0.1115 ⁻¹	0.1268 ⁻¹	0.1428 ⁻¹	0.1596 ⁻¹	0.1768 ⁻¹	0.1945 ⁻¹	0.2401 ⁻¹	0.2937 ⁻¹	0.3585 ⁻¹	0.4385 ⁻¹
0.005	0.9603 ⁻²	0.1083 ⁻¹	0.1233 ⁻¹	0.1393 ⁻¹	0.1563 ⁻¹	0.1743 ⁻¹	0.1934 ⁻¹	0.2136 ⁻¹	0.2349 ⁻¹	0.2971 ⁻¹	0.3626 ⁻¹	0.4408 ⁻¹	0.5359 ⁻¹
0.006	0.008	0.1177 ⁻¹	0.1327 ⁻¹	0.1477 ⁻¹	0.1637 ⁻¹	0.1797 ⁻¹	0.1967 ⁻¹	0.2147 ⁻¹	0.2337 ⁻¹	0.2873 ⁻¹	0.3548 ⁻¹	0.4366 ⁻¹	0.5366 ⁻¹
0.008	0.008	0.1137 ⁻¹	0.1297 ⁻¹	0.1457 ⁻¹	0.1617 ⁻¹	0.1777 ⁻¹	0.1937 ⁻¹	0.2107 ⁻¹	0.2287 ⁻¹	0.2823 ⁻¹	0.3508 ⁻¹	0.4336 ⁻¹	0.5346 ⁻¹
0.009	0.009	0.1197 ⁻¹	0.1357 ⁻¹	0.1517 ⁻¹	0.1677 ⁻¹	0.1837 ⁻¹	0.1997 ⁻¹	0.2157 ⁻¹	0.2317 ⁻¹	0.2853 ⁻¹	0.3538 ⁻¹	0.4366 ⁻¹	0.5376 ⁻¹
0.01	0.1522 ⁻¹	0.2175 ⁻¹	0.2464 ⁻¹	0.2781 ⁻¹	0.3347 ⁻¹	0.4531 ⁻¹	0.5712 ⁻¹	0.7195 ⁻¹	0.9040 ⁻¹	0.1734 ⁻¹	0.2805 ⁻¹	0.3876 ⁻¹	0.4947 ⁻¹
0.02	0.4348 ⁻¹	0.6195 ⁻¹	0.7024 ⁻¹	0.7924 ⁻¹	0.8857 ⁻¹	0.1109 ⁻¹	0.1247 ⁻¹	0.1387 ⁻¹	0.1527 ⁻¹	0.1892 ⁻¹	0.2444 ⁻¹	0.3098 ⁻¹	0.3861 ⁻¹
0.04	0.8150 ⁻¹	0.1140 ⁻¹	0.1268 ⁻¹	0.1402 ⁻¹	0.1536 ⁻¹	0.1670 ⁻¹	0.1804 ⁻¹	0.1938 ⁻¹	0.2072 ⁻¹	0.2536 ⁻¹	0.3200 ⁻¹	0.3964 ⁻¹	0.4828 ⁻¹
0.06	0.9677 ⁻¹	0.1308 ⁻¹	0.1423 ⁻¹	0.1537 ⁻¹	0.1651 ⁻¹	0.1765 ⁻¹	0.1879 ⁻¹	0.1993 ⁻¹	0.2107 ⁻¹	0.2570 ⁻¹	0.3234 ⁻¹	0.3998 ⁻¹	0.4862 ⁻¹
0.08	0.9677 ⁻¹	0.1308 ⁻¹	0.1423 ⁻¹	0.1537 ⁻¹	0.1651 ⁻¹	0.1765 ⁻¹	0.1879 ⁻¹	0.1993 ⁻¹	0.2107 ⁻¹	0.2570 ⁻¹	0.3234 ⁻¹	0.3998 ⁻¹	0.4862 ⁻¹
0.10	0.1915 ⁻¹	0.2187 ⁻¹	0.2439 ⁻¹	0.2718 ⁻¹	0.3138 ⁻¹	0.4003 ⁻¹	0.4760 ⁻¹	0.5583 ⁻¹	0.6462 ⁻¹	0.8368 ⁻¹	0.1043 ⁻¹	0.1263 ⁻¹	0.1492 ⁻¹
0.11	0.2156 ⁻¹	0.2409 ⁻¹	0.2683 ⁻¹	0.2972 ⁻¹	0.3361 ⁻¹	0.4003 ⁻¹	0.4760 ⁻¹	0.5583 ⁻¹	0.6462 ⁻¹	0.8368 ⁻¹	0.1043 ⁻¹	0.1263 ⁻¹	0.1492 ⁻¹
0.12	0.2357 ⁻¹	0.2631 ⁻¹	0.2926 ⁻¹	0.3244 ⁻¹	0.3583 ⁻¹	0.4232 ⁻¹	0.4977 ⁻¹	0.5737 ⁻¹	0.6509 ⁻¹	0.8605 ⁻¹	0.1075 ⁻¹	0.1295 ⁻¹	0.1525 ⁻¹
0.14	0.2764 ⁻¹	0.3078 ⁻¹	0.3415 ⁻¹	0.3776 ⁻¹	0.4152 ⁻¹	0.4549 ⁻¹	0.4958 ⁻¹	0.5378 ⁻¹	0.5807 ⁻¹	0.7911 ⁻¹	0.1001 ⁻¹	0.1219 ⁻¹	0.1447 ⁻¹
0.16	0.3199 ⁻¹	0.3503 ⁻¹	0.3861 ⁻¹	0.4242 ⁻¹	0.4635 ⁻¹	0.5039 ⁻¹	0.5453 ⁻¹	0.5878 ⁻¹	0.6307 ⁻¹	0.8401 ⁻¹	0.1003 ⁻¹	0.1221 ⁻¹	0.1449 ⁻¹

Table 3-(b) Continued, for $\rho = 0.3$.

$F(x)/\bar{F}$	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0	16.0	18.0
0.001	0.3134	-0.2	0.3879	-0.2	0.4803	-0.2	0.5938	-0.2	0.7379	-0.1	0.9133	-0.1	1.1699
0.002	0.6280	-0.2	0.7743	-0.2	0.9398	-0.2	1.1379	-0.1	1.4587	-0.1	1.8409	-0.0	2.3761
0.003	0.9380	-0.2	1.1159	-0.1	1.3182	-0.1	1.5509	-0.1	1.8460	-0.0	2.2666	-0.0	2.8403
0.004	1.2489	-0.1	1.4431	-0.1	1.6868	-0.1	1.9699	-0.1	2.3087	-0.0	2.7046	-0.0	3.2741
0.005	1.5604	-0.1	1.7817	-0.1	2.0642	-0.1	2.3925	-0.1	2.7795	-0.0	3.2290	-0.0	3.8077
0.006	1.8720	-0.1	2.1205	-0.1	2.4443	-0.1	2.8195	-0.1	3.2607	-0.0	3.7556	-0.0	4.4000
0.007	2.1779	-0.1	2.3865	-0.1	2.7390	-0.1	3.1307	-0.1	3.5777	-0.0	4.1895	-0.0	4.9513
0.008	2.4881	-0.1	2.6651	-0.1	3.0466	-0.1	3.4446	-0.1	3.9282	-0.0	4.5456	-0.0	5.4743
0.009	2.7997	-0.1	2.9502	-0.1	3.3661	-0.1	3.7731	-0.1	4.2843	-0.0	4.8473	-0.0	5.9714
0.010	3.1124	-0.1	3.2449	-0.1	3.6994	-0.1	4.1191	-0.1	4.6400	-0.0	5.1000	-0.0	6.4468
0.02	3.6166	-0.1	3.8491	-0.1	4.3137	-0.1	4.7537	-0.1	5.3881	-0.0	6.0217	-0.0	7.1959
0.03	4.1216	-0.1	4.3540	-0.1	4.9187	-0.1	5.3583	-0.1	6.0929	-0.0	6.8266	-0.0	8.1881
0.04	4.6266	-0.1	4.8590	-0.1	5.5237	-0.1	5.9633	-0.1	6.6977	-0.0	7.4316	-0.0	9.1792
0.05	5.1316	-0.1	5.3640	-0.1	6.1287	-0.1	6.5683	-0.1	7.3025	-0.0	8.0365	-0.0	10.1703
0.06	5.6366	-0.1	5.8690	-0.1	6.7337	-0.1	7.1733	-0.1	7.9073	-0.0	8.6415	-0.0	11.1614
0.07	6.1416	-0.1	6.3740	-0.1	7.3387	-0.1	7.7783	-0.1	8.5123	-0.0	9.1465	-0.0	12.1525
0.08	6.6466	-0.1	6.8790	-0.1	7.9437	-0.1	8.3833	-0.1	9.1173	-0.0	9.6515	-0.0	13.1436
0.09	7.1516	-0.1	7.3840	-0.1	8.5487	-0.1	8.9883	-0.1	9.7223	-0.0	10.1565	-0.0	14.1347
0.10	7.6566	-0.1	7.8890	-0.1	9.1537	-0.1	9.5933	-0.1	10.3273	-0.0	10.6615	-0.0	15.1258
0.11	8.1616	-0.1	8.3940	-0.1	9.7587	-0.1	10.1983	-0.1	10.9323	-0.0	11.1665	-0.0	16.1169
0.12	8.6666	-0.1	8.8990	-0.1	10.3637	-0.1	10.8033	-0.1	11.5373	-0.0	11.6715	-0.0	17.1080
0.13	9.1716	-0.1	9.4040	-0.1	10.9687	-0.1	11.4083	-0.1	12.1423	-0.0	12.1765	-0.0	18.0991
0.14	9.6766	-0.1	9.9090	-0.1	11.5737	-0.1	12.0133	-0.1	12.7473	-0.0	12.6815	-0.0	19.0902
0.15	10.1816	-0.1	10.4140	-0.1	12.1787	-0.1	12.6183	-0.1	13.3523	-0.0	13.1865	-0.0	20.0813
0.16	10.6866	-0.1	10.9190	-0.1	12.7837	-0.1	13.2233	-0.1	13.9573	-0.0	13.6915	-0.0	21.0724
0.17	11.1916	-0.1	11.4240	-0.1	13.3887	-0.1	13.8283	-0.1	14.5623	-0.0	14.1965	-0.0	22.0635
0.18	11.6966	-0.1	11.9290	-0.1	13.9937	-0.1	14.4333	-0.1	15.1673	-0.0	14.7015	-0.0	23.0546
0.19	12.2016	-0.1	12.4340	-0.1	14.5987	-0.1	15.0383	-0.1	15.7723	-0.0	15.2065	-0.0	24.0457
0.20	12.7066	-0.1	12.9390	-0.1	15.2037	-0.1	15.6433	-0.1	16.3773	-0.0	15.7115	-0.0	25.0368
0.25	13.7066	-0.1	13.9390	-0.1	16.2037	-0.1	16.6433	-0.1	17.3773	-0.0	16.7115	-0.0	27.0368
0.30	14.7066	-0.1	14.9390	-0.1	17.2037	-0.1	17.6433	-0.1	18.3773	-0.0	17.7115	-0.0	29.0368
0.35	15.7066	-0.1	15.9390	-0.1	18.2037	-0.1	18.6433	-0.1	19.3773	-0.0	18.7115	-0.0	31.0368
0.40	16.7066	-0.1	16.9390	-0.1	19.2037	-0.1	19.6433	-0.1	20.3773	-0.0	19.7115	-0.0	33.0368
0.45	17.7066	-0.1	17.9390	-0.1	20.2037	-0.1	20.6433	-0.1	21.3773	-0.0	20.7115	-0.0	35.0368
0.50	18.7066	-0.1	18.9390	-0.1	21.2037	-0.1	21.6433	-0.1	22.3773	-0.0	21.7115	-0.0	37.0368
0.55	19.7066	-0.1	19.9390	-0.1	22.2037	-0.1	22.6433	-0.1	23.3773	-0.0	22.7115	-0.0	39.0368
0.60	20.7066	-0.1	20.9390	-0.1	23.2037	-0.1	23.6433	-0.1	24.3773	-0.0	23.7115	-0.0	41.0368
0.65	21.7066	-0.1	21.9390	-0.1	24.2037	-0.1	24.6433	-0.1	25.3773	-0.0	24.7115	-0.0	43.0368
0.70	22.7066	-0.1	22.9390	-0.1	25.2037	-0.1	25.6433	-0.1	26.3773	-0.0	25.7115	-0.0	45.0368
0.75	23.7066	-0.1	23.9390	-0.1	26.2037	-0.1	26.6433	-0.1	27.3773	-0.0	26.7115	-0.0	47.0368
0.80	24.7066	-0.1	24.9390	-0.1	27.2037	-0.1	27.6433	-0.1	28.3773	-0.0	27.7115	-0.0	49.0368
0.85	25.7066	-0.1	25.9390	-0.1	28.2037	-0.1	28.6433	-0.1	29.3773	-0.0	28.7115	-0.0	51.0368
0.90	26.7066	-0.1	26.9390	-0.1	29.2037	-0.1	29.6433	-0.1	30.3773	-0.0	29.7115	-0.0	53.0368
0.95	27.7066	-0.1	27.9390	-0.1	30.2037	-0.1	30.6433	-0.1	31.3773	-0.0	30.7115	-0.0	55.0368
0.98	28.7066	-0.1	28.9390	-0.1	31.2037	-0.1	31.6433	-0.1	32.3773	-0.0	31.7115	-0.0	57.0368
0.99	29.7066	-0.1	29.9390	-0.1	32.2037	-0.1	32.6433	-0.1	33.3773	-0.0	32.7115	-0.0	59.0368
0.995	30.7066	-0.1	30.9390	-0.1	33.2037	-0.1	33.6433	-0.1	34.3773	-0.0	33.7115	-0.0	61.0368
0.998	31.7066	-0.1	31.9390	-0.1	34.2037	-0.1	34.6433	-0.1	35.3773	-0.0	34.7115	-0.0	63.0368
0.999	32.7066	-0.1	32.9390	-0.1	35.2037	-0.1	35.6433	-0.1	36.3773	-0.0	35.7115	-0.0	65.0368

Table 4-(b) Continued, for $\rho = 0.4$.

$F(\lambda E)/\lambda E$	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0	16.0	18.0
0.001	0.6145	0.4834	0.1182	0.1030	0.3044	0.4943	0.9206	0.1449	0.2129	0.3095	0.6117	0.8710	0.1161
0.002	0.1221	0.1688	0.2321	0.3168	0.7174	0.9751	0.1547	0.2385	0.3177	0.5352	0.1091	0.1416	0.1416
0.003	0.1820	0.2504	0.4422	0.6186	1.1816	1.7139	0.3045	0.4629	0.7057	0.9787	0.1625	0.2158	0.2158
0.004	0.2356	0.3305	0.5565	0.8222	1.4659	2.1840	0.4659	0.7045	1.0471	1.4267	0.2185	0.2925	0.2925
0.005	0.2895	0.4088	0.6895	1.0359	1.8658	2.6946	0.6343	0.9302	1.3208	1.7987	0.2713	0.3635	0.3635
0.006	0.3372	0.4838	0.8027	1.1359	2.1244	3.0146	0.8043	1.1002	1.5108	2.0072	0.3241	0.4363	0.4363
0.007	0.3772	0.5143	0.9013	1.2307	2.3644	3.2847	0.9743	1.2702	1.6908	2.2264	0.3769	0.5091	0.5091
0.008	0.4143	0.5613	0.9913	1.3207	2.5844	3.5146	1.1443	1.4402	1.8708	2.4456	0.4297	0.5819	0.5819
0.009	0.4508	0.6088	1.0743	1.4059	2.7944	3.7046	1.3143	1.6102	2.0508	2.6648	0.4825	0.6547	0.6547
0.010	0.4868	0.6563	1.1513	1.4859	2.9944	3.8746	1.4843	1.7802	2.2308	2.8840	0.5353	0.7275	0.7275
0.012	0.5820	0.7407	1.3013	1.6359	3.3344	4.2846	1.8443	2.1402	2.5908	3.3440	0.6143	0.8419	0.8419
0.014	0.6772	0.8251	1.4513	1.7859	3.6744	4.6946	2.2043	2.5002	2.9508	3.7540	0.6933	0.9559	0.9559
0.016	0.7724	0.9095	1.6013	1.9359	3.9144	4.9746	2.5643	2.8602	3.3108	4.1140	0.7723	1.0699	1.0699
0.018	0.8676	0.9938	1.7513	2.0859	4.1544	5.2546	2.9243	3.2202	3.6708	4.4740	0.8513	1.1839	1.1839
0.020	0.9628	1.0781	1.9013	2.2359	4.3944	5.5346	3.2843	3.5802	4.0308	4.8340	0.9303	1.2979	1.2979
0.022	1.0580	1.1624	2.0513	2.3859	4.6344	5.8146	3.6443	3.9402	4.3908	5.1940	1.0093	1.4119	1.4119
0.024	1.1532	1.2467	2.2013	2.5359	4.8744	6.0946	4.0043	4.3002	4.7508	5.5540	1.0883	1.5259	1.5259
0.026	1.2484	1.3310	2.3513	2.6859	5.1144	6.3746	4.3643	4.6602	5.1108	5.9140	1.1673	1.6399	1.6399
0.028	1.3436	1.4153	2.5013	2.8359	5.3544	6.6546	4.7243	5.0202	5.4708	6.2740	1.2463	1.7539	1.7539
0.030	1.4388	1.5000	2.6513	2.9859	5.5944	6.9346	5.0843	5.3802	5.8308	6.6340	1.3253	1.8679	1.8679
0.032	1.5340	1.5843	2.8013	3.1359	5.8344	7.2146	5.4443	5.7402	6.1908	6.9940	1.4043	1.9819	1.9819
0.034	1.6292	1.6686	2.9513	3.2859	6.0744	7.4946	5.8043	6.1002	6.5508	7.3540	1.4833	2.0959	2.0959
0.036	1.7244	1.7529	3.1013	3.4359	6.3144	7.7746	6.1643	6.4602	6.9108	7.7140	1.5623	2.2099	2.2099
0.038	1.8196	1.8473	3.2513	3.5859	6.5544	8.0546	6.5243	6.8202	7.2708	8.0740	1.6413	2.3239	2.3239
0.040	1.9148	1.9425	3.4013	3.7359	6.7944	8.3346	6.8843	7.1802	7.6308	8.4340	1.7203	2.4379	2.4379
0.042	2.0100	2.0377	3.5513	3.8859	7.0344	8.6146	7.2443	7.5402	7.9908	8.7940	1.7993	2.5519	2.5519
0.044	2.1052	2.1329	3.7013	4.0359	7.2744	8.8946	7.6043	7.9002	8.3508	9.1540	1.8783	2.6659	2.6659
0.046	2.2004	2.2281	3.8513	4.1859	7.5144	9.1746	7.9643	8.2602	8.7108	9.5140	1.9573	2.7799	2.7799
0.048	2.2956	2.3233	4.0013	4.3359	7.7544	9.4546	8.3243	8.6202	9.0708	9.8740	2.0363	2.8939	2.8939
0.050	2.3908	2.4185	4.1513	4.4859	7.9944	9.7346	8.6843	8.9802	9.4308	10.2340	2.1153	3.0079	3.0079
0.052	2.4860	2.5137	4.3013	4.6359	8.2344	10.0146	9.0443	9.3402	9.7908	10.5940	2.1943	3.1219	3.1219
0.054	2.5812	2.6089	4.4513	4.7859	8.4744	10.2946	9.4043	9.7002	10.1508	10.9540	2.2733	3.2359	3.2359
0.056	2.6764	2.7041	4.6013	4.9359	8.7144	10.5746	9.7643	10.0602	10.5108	11.3140	2.3523	3.3499	3.3499
0.058	2.7716	2.8000	4.7513	5.0859	8.9544	10.8546	10.1243	10.4202	10.8708	11.6740	2.4313	3.4639	3.4639
0.060	2.8668	2.8953	4.9013	5.2359	9.1944	11.1346	10.4843	10.7802	11.2308	12.0340	2.5103	3.5779	3.5779
0.062	2.9620	2.9905	5.0513	5.3859	9.4344	11.4146	10.8443	11.0902	11.5908	12.3940	2.5893	3.6919	3.6919
0.064	3.0572	3.0857	5.2013	5.5359	9.6744	11.6946	11.2043	11.4502	11.9508	12.7540	2.6683	3.8059	3.8059
0.066	3.1524	3.1809	5.3513	5.6859	9.9144	11.9746	11.5643	11.8102	12.3108	13.1140	2.7473	3.9199	3.9199
0.068	3.2476	3.2761	5.5013	5.8359	10.1544	12.2546	11.9243	12.1702	12.6708	13.4740	2.8263	4.0339	4.0339
0.070	3.3428	3.3713	5.6513	5.9859	10.3944	12.5346	12.2843	12.5302	13.0308	13.8340	2.9053	4.1479	4.1479
0.072	3.4380	3.4665	5.8013	6.1359	10.6344	12.8146	12.6443	12.8902	13.3908	14.1940	2.9843	4.2619	4.2619
0.074	3.5332	3.5617	5.9513	6.2859	10.8744	13.0946	13.0043	13.2502	13.7508	14.5540	3.0633	4.3759	4.3759
0.076	3.6284	3.6569	6.1013	6.4359	11.1144	13.3746	13.3643	13.6102	14.1108	14.9140	3.1423	4.4899	4.4899
0.078	3.7236	3.7521	6.2513	6.5859	11.3544	13.6546	13.7243	13.9702	14.4708	15.2740	3.2213	4.6039	4.6039
0.080	3.8188	3.8473	6.4013	6.7359	11.5944	13.9346	14.0843	14.3302	14.8308	15.6340	3.3003	4.7179	4.7179
0.082	3.9140	3.9425	6.5513	6.8859	11.8344	14.2146	14.4443	14.6902	15.1908	16.0000	3.3793	4.8319	4.8319
0.084	4.0092	4.0377	6.7013	7.0359	12.0744	14.4946	14.8043	15.0502	15.5508	16.3600	3.4583	4.9459	4.9459
0.086	4.1044	4.1329	6.8513	7.1859	12.3144	14.7746	15.1643	15.4102	15.9108	16.7200	3.5373	5.0599	5.0599
0.088	4.1996	4.2281	7.0013	7.3359	12.5544	15.0546	15.5243	15.7702	16.2708	17.0800	3.6163	5.1739	5.1739
0.090	4.2948	4.3233	7.1513	7.4859	12.7944	15.3346	15.8843	16.1302	16.6308	17.4400	3.6953	5.2879	5.2879
0.092	4.3900	4.4185	7.3013	7.6359	13.0344	15.6146	16.2443	16.4902	16.9908	17.8000	3.7743	5.4019	5.4019
0.094	4.4852	4.5137	7.4513	7.7859	13.2744	15.8946	16.6043	16.8502	17.3508	18.1600	3.8533	5.5159	5.5159
0.096	4.5804	4.6089	7.6013	7.9359	13.5144	16.1746	16.9643	17.2102	17.7108	18.5200	3.9323	5.6299	5.6299
0.098	4.6756	4.7041	7.7513	8.0859	13.7544	16.4546	17.3243	17.5702	18.0708	18.8800	4.0113	5.7439	5.7439
0.100	4.7708	4.8000	7.9013	8.2359	14.0000	16.7346	17.6443	17.9302	18.4308	19.2400	4.0903	5.8579	5.8579

$F(\eta)\backslash \xi$	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
0.001	0.5005	-0.6453	0.8247	-1.0109	-0.1359	-0.1744	-0.2238	-0.2871	-0.3681	-0.4716	-0.6037	-0.7717	-0.9649
0.002	0.1002	-0.1285	-0.1650	-0.2118	-0.2718	-0.3487	-0.4428	-0.5570	-0.7036	-0.8788	-1.0877	-1.3284	-1.5934
0.003	0.0002	-0.0029	-0.0076	-0.0178	-0.0407	-0.0700	-0.1090	-0.1614	-0.2309	-0.3239	-0.4459	-0.5957	-0.7760
0.005	0.2506	-0.3218	0.4130	-0.5300	0.6766	-0.8707	-1.1114	-1.4054	-1.7515	-2.2066	-2.7819	-3.4871	-4.3261
0.006	0.0007	-0.0063	-0.0158	-0.0361	-0.0766	-0.1304	-0.2044	-0.3055	-0.4391	-0.6097	-0.8326	-1.1047	-1.4220
0.007	0.3512	-0.4509	0.5787	-0.7243	-0.9155	-1.1218	-1.3517	-1.6055	-1.9824	-2.4851	-3.1195	-3.8765	-4.7540
0.008	0.0016	-0.0126	-0.0306	-0.0607	-0.1087	-0.1791	-0.2764	-0.4055	-0.5725	-0.7834	-1.0447	-1.3637	-1.7360
0.010	0.5009	-0.6481	0.8278	-1.0161	-0.1359	-0.1738	-0.2217	-0.2819	-0.3700	-0.4897	-0.6367	-0.8190	-1.0359
0.02	0.1010	-0.1297	-0.1603	-0.2128	-0.2719	-0.3462	-0.4350	-0.5516	-0.6931	-0.8803	-1.1057	-1.3886	-1.7245
0.03	0.0152	-0.0194	-0.0204	-0.0320	-0.0481	-0.0715	-0.1025	-0.1466	-0.2081	-0.2913	-0.4008	-0.5329	-0.6929
0.04	0.2041	-0.2619	0.3353	-0.4281	-0.5442	-0.6877	-0.8627	-1.0732	-1.3159	-1.6005	-1.9322	-2.3800	-2.8750
0.05	0.2565	-0.3290	0.4367	-0.5367	-0.6806	-0.8571	-1.0709	-1.3222	-1.6104	-1.9346	-2.3109	-2.7271	-3.1599
0.06	0.0002	-0.0029	-0.0076	-0.0178	-0.0407	-0.0700	-0.1090	-0.1614	-0.2309	-0.3239	-0.4459	-0.5957	-0.7760
0.07	0.3512	-0.4509	0.5787	-0.7243	-0.9155	-1.1218	-1.3517	-1.6055	-1.9824	-2.4851	-3.1195	-3.8765	-4.7540
0.08	0.0016	-0.0126	-0.0306	-0.0607	-0.1087	-0.1791	-0.2764	-0.4055	-0.5725	-0.7834	-1.0447	-1.3637	-1.7360
0.09	0.4716	-0.6044	0.7713	-0.9778	-1.1329	-1.3528	-1.6177	-1.9387	-2.3195	-2.7535	-3.1978	-3.7470	-4.4052
0.10	0.5268	-0.6751	0.8609	-1.0700	-1.3867	-1.6955	-2.074	-2.502	-3.095	-3.849	-4.800	-5.922	-7.230
0.15	0.8126	-1.040	1.3222	-1.662	-2.064	-2.526	-3.044	-3.611	-4.241	-4.958	-5.747	-6.635	-7.631
0.20	1.1116	-1.437	1.8708	-2.3807	-2.978	-3.656	-4.401	-5.209	-6.063	-6.967	-7.925	-8.945	-10.027
0.25	1.4287	-1.847	2.4307	-3.067	-3.845	-4.699	-5.629	-6.635	-7.719	-8.868	-10.083	-11.365	-12.707
0.30	1.7389	-2.276	2.9860	-3.7331	-4.624	-5.578	-6.602	-7.697	-8.860	-10.094	-11.398	-12.761	-14.184
0.35	2.0354	-2.652	3.424	-4.256	-5.192	-6.240	-7.399	-8.669	-9.950	-11.243	-12.548	-13.863	-15.196
0.40	2.2869	-2.985	3.805	-4.746	-5.755	-6.894	-8.153	-9.529	-10.914	-12.305	-13.700	-15.100	-16.504
0.45	2.5069	-3.250	4.126	-5.055	-6.135	-7.354	-8.694	-10.148	-11.616	-13.095	-14.584	-16.083	-17.591
0.50	2.6941	-3.481	4.349	-5.247	-6.386	-7.655	-9.045	-10.549	-12.068	-13.595	-15.129	-16.671	-18.212
0.55	2.8541	-3.691	4.509	-5.409	-6.598	-7.917	-9.357	-10.907	-12.466	-14.034	-		

$F(\eta) \setminus \eta$	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	3.00
0.001	0.4004	-0.9823	-0.8470	-0.7122	-0.5791	-0.4601	-0.3773	-0.3207	-0.2879	-0.2659	-0.2530	0.3159
0.002	0.8008	-0.1165	-0.1895	-0.2663	-0.3577	-0.4587	-0.5687	-0.6861	-0.8094	-0.9359	-1.0611	0.2728
0.003	0.6004	0.1603	0.2332	0.3100	0.3910	0.4762	0.5655	0.6579	0.7524	0.8481	0.9439	0.7939
0.004	0.4005	0.2005	0.2917	0.3840	0.4764	0.5679	0.6584	0.7479	0.8354	0.9209	1.0034	0.8439
0.005	0.2005	0.3927	0.4240	0.4562	0.4884	0.5206	0.5527	0.5848	0.6168	0.6488	0.6808	0.7128
0.006	0.2407	0.3302	0.3589	0.3872	0.4155	0.4437	0.4719	0.4999	0.5279	0.5559	0.5839	0.6119
0.007	0.2810	0.3683	0.3935	0.4186	0.4437	0.4687	0.4938	0.5188	0.5438	0.5688	0.5938	0.6188
0.008	0.3213	0.4065	0.4286	0.4506	0.4726	0.4946	0.5166	0.5386	0.5606	0.5826	0.6046	0.6266
0.009	0.3616	0.4447	0.4637	0.4826	0.5015	0.5204	0.5393	0.5582	0.5771	0.5960	0.6149	0.6338
0.010	0.4020	0.4827	0.4987	0.5147	0.5306	0.5465	0.5624	0.5783	0.5942	0.6101	0.6260	0.6419
0.02	0.8081	-0.1175	-0.1703	-0.2456	-0.3311	-0.4269	-0.5327	-0.6385	-0.7443	-0.8501	-0.9559	0.2851
0.03	0.4128	0.1380	0.1770	0.2162	0.2552	0.2942	0.3332	0.3722	0.4112	0.4502	0.4892	0.5282
0.04	0.2032	0.3922	0.4231	0.4540	0.4849	0.5158	0.5467	0.5776	0.6085	0.6394	0.6703	0.7012
0.05	0.2655	0.3545	0.3814	0.4083	0.4352	0.4621	0.4890	0.5159	0.5428	0.5697	0.5966	0.6235
0.06	0.3278	0.4148	0.4387	0.4626	0.4865	0.5104	0.5343	0.5582	0.5821	0.6060	0.6299	0.6538
0.07	0.3901	0.4741	0.4949	0.5157	0.5365	0.5573	0.5781	0.5989	0.6197	0.6405	0.6613	0.6821
0.08	0.4524	0.5332	0.5516	0.5700	0.5884	0.6068	0.6252	0.6436	0.6620	0.6804	0.6988	0.7172
0.09	0.5147	0.5915	0.6067	0.6220	0.6373	0.6526	0.6679	0.6832	0.6985	0.7138	0.7291	0.7444
0.10	0.5770	0.6497	0.6620	0.6743	0.6866	0.6989	0.7112	0.7235	0.7358	0.7481	0.7604	0.7727
0.12	0.7113	0.7798	0.7893	0.7988	0.8083	0.8178	0.8273	0.8368	0.8463	0.8558	0.8653	0.8748
0.14	0.8501	0.9192	0.9286	0.9380	0.9475	0.9570	0.9665	0.9760	0.9855	0.9950	1.0045	0.9940
0.15	0.8902	0.9592	0.9686	0.9780	0.9875	0.9970	1.0065	1.0160	1.0255	1.0350	1.0445	1.0340
0.16	0.9303	0.9992	1.0086	1.0180	1.0275	1.0370	1.0465	1.0560	1.0655	1.0750	1.0845	1.0740
0.17	0.9704	1.0393	1.0487	1.0581	1.0676	1.0771	1.0866	1.0961	1.1056	1.1151	1.1246	1.1141
0.18	1.0105	1.0794	1.0888	1.0982	1.1077	1.1172	1.1267	1.1362	1.1457	1.1552	1.1647	1.1542
0.19	1.0506	1.1195	1.1289	1.1383	1.1478	1.1573	1.1668	1.1763	1.1858	1.1953	1.2048	1.1943
0.20	1.0907	1.1596	1.1690	1.1784	1.1879	1.1974	1.2069	1.2164	1.2259	1.2354	1.2449	1.2344

Table 6-(b) Continued, for $\rho = 0.6$.

$F(\gamma) \setminus \frac{\gamma}{\delta}$	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00
0.001	0.5769 -1	0.9697 -1	0.1483 -0	0.2316 -0	0.3683 -0	0.5378 -0	0.7742 -0	0.1013 -1	0.1270 -1	0.1831 -1	0.2443 -1	0.3093 -1	0.3778 -1
0.002	0.5771 -1	0.1524 -0	0.2199 -0	0.2987 -0	0.4847 -0	0.7018 -0	0.9440 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.003	0.1298 -0	0.1597 -0	0.2722 -0	0.3606 -0	0.5649 -0	0.7990 -0	1.0591 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.004	0.1972 -0	0.4130 -0	0.7140 -0	0.9413 -0	1.2858 -0	1.7418 -0	2.3193 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.005	0.2033 -0	0.3872 -0	0.6310 -0	0.8850 -0	1.2606 -0	1.7673 -0	2.4000 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.006	0.2033 -0	0.3872 -0	0.6310 -0	0.8850 -0	1.2606 -0	1.7673 -0	2.4000 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.007	0.2233 -0	0.3117 -0	0.4119 -0	0.5220 -0	0.7672 -0	1.0393 -0	1.4333 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.008	0.2419 -0	0.3352 -0	0.4382 -0	0.5596 -0	0.8378 -0	1.1222 -0	1.5427 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.009	0.2571 -0	0.3552 -0	0.4582 -0	0.5896 -0	0.8850 -0	1.1858 -0	1.6146 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.010	0.2706 -0	0.3748 -0	0.4853 -0	0.6053 -0	0.8690 -0	1.1558 -0	1.5468 -0	0.1107 -1	0.1489 -1	0.2077 -1	0.2744 -1	0.3468 -1	0.4152 -1
0.02	0.4051 -0	0.5272 -0	0.6593 -0	0.8000 -0	0.1103 -1	0.1428 -1	0.1770 -1	0.2131 -1	0.2502 -1	0.3077 -1	0.3801 -1	0.4522 -1	0.5277 -1
0.03	0.5019 -0	0.6386 -0	0.7846 -0	0.9385 -0	0.1103 -1	0.1428 -1	0.1770 -1	0.2131 -1	0.2502 -1	0.3077 -1	0.3801 -1	0.4522 -1	0.5277 -1
0.04	0.5823 -0	0.7300 -0	0.8885 -0	0.1050 -1	0.1396 -1	0.1762 -1	0.2183 -1	0.2538 -1	0.3105 -1	0.3780 -1	0.4494 -1	0.5218 -1	0.5964 -1
0.05	0.6524 -0	0.8092 -0	0.9792 -0	0.1103 -1	0.1396 -1	0.1762 -1	0.2183 -1	0.2538 -1	0.3105 -1	0.3780 -1	0.4494 -1	0.5218 -1	0.5964 -1
0.06	0.7175 -0	0.9448 -0	0.1124 -1	0.1309 -1	0.1694 -1	0.2096 -1	0.2512 -1	0.2938 -1	0.3474 -1	0.4125 -1	0.4868 -1	0.5624 -1	0.6399 -1
0.07	0.7735 -0	0.1005 -1	0.1189 -1	0.1380 -1	0.1775 -1	0.2187 -1	0.2611 -1	0.3046 -1	0.3597 -1	0.4261 -1	0.5016 -1	0.5784 -1	0.6564 -1
0.08	0.8274 -0	0.1005 -1	0.1189 -1	0.1380 -1	0.1775 -1	0.2187 -1	0.2611 -1	0.3046 -1	0.3597 -1	0.4261 -1	0.5016 -1	0.5784 -1	0.6564 -1
0.09	0.8781 -0	0.1005 -1	0.1189 -1	0.1380 -1	0.1775 -1	0.2187 -1	0.2611 -1	0.3046 -1	0.3597 -1	0.4261 -1	0.5016 -1	0.5784 -1	0.6564 -1
0.10	0.9262 -0	0.1114 -1	0.1304 -1	0.1506 -1	0.1900 -1	0.2305 -1	0.2722 -1	0.3159 -1	0.3617 -1	0.4184 -1	0.4764 -1	0.5356 -1	0.5959 -1
0.12	0.9262 -0	0.1114 -1	0.1304 -1	0.1506 -1	0.1900 -1	0.2305 -1	0.2722 -1	0.3159 -1	0.3617 -1	0.4184 -1	0.4764 -1	0.5356 -1	0.5959 -1
0.13	0.1036 -1	0.1213 -1	0.1417 -1	0.1625 -1	0.2054 -1	0.2498 -1	0.2949 -1	0.3411 -1	0.3880 -1	0.4356 -1	0.4836 -1	0.5318 -1	0.5801 -1
0.14	0.1105 -1	0.1309 -1	0.1516 -1	0.1732 -1	0.2164 -1	0.2614 -1	0.3064 -1	0.3534 -1	0.4012 -1	0.4496 -1	0.4984 -1	0.5474 -1	0.5964 -1
0.15	0.1140 -1	0.1344 -1	0.1551 -1	0.1768 -1	0.2200 -1	0.2650 -1	0.3100 -1	0.3570 -1	0.4048 -1	0.4536 -1	0.5024 -1	0.5512 -1	0.6000 -1
0.16	0.1140 -1	0.1344 -1	0.1551 -1	0.1768 -1	0.2200 -1	0.2650 -1	0.3100 -1	0.3570 -1	0.4048 -1	0.4536 -1	0.5024 -1	0.5512 -1	0.6000 -1
0.17	0.1217 -1	0.1421 -1	0.1634 -1	0.1850 -1	0.2287 -1	0.2737 -1	0.3187 -1	0.3657 -1	0.4127 -1	0.4607 -1	0.5087 -1	0.5567 -1	0.6047 -1
0.18	0.1254 -1	0.1458 -1	0.1671 -1	0.1887 -1	0.2324 -1	0.2774 -1	0.3224 -1	0.3694 -1	0.4164 -1	0.4644 -1	0.5124 -1	0.5604 -1	0.6084 -1
0.19	0.1254 -1	0.1458 -1	0.1671 -1	0.1887 -1	0.2324 -1	0.2774 -1	0.3224 -1	0.3694 -1	0.4164 -1	0.4644 -1	0.5124 -1	0.5604 -1	0.6084 -1
0.20	0.1254 -1	0.1458 -1	0.1671 -1	0.1887 -1	0.2324 -1	0.2774 -1	0.3224 -1	0.3694 -1	0.4164 -1	0.4644 -1	0.5124 -1	0.5604 -1	0.6084 -1
0.25	0.1326 -1	0.1530 -1	0.1743 -1	0.1956 -1	0.2392 -1	0.2842 -1	0.3292 -1	0.3762 -1	0.4232 -1	0.4702 -1	0.5172 -1	0.5642 -1	0.6112 -1
0.30	0.1662 -1	0.1866 -1	0.2079 -1	0.2292 -1	0.2728 -1	0.3178 -1	0.3628 -1	0.4098 -1	0.4568 -1	0.5038 -1	0.5508 -1	0.5978 -1	0.6448 -1
0.35	0.2203 -1	0.2407 -1	0.2620 -1	0.2833 -1	0.3269 -1	0.3719 -1	0.4169 -1	0.4639 -1	0.5109 -1	0.5579 -1	0.6049 -1	0.6519 -1	0.6989 -1
0.40	0.2852 -1	0.3056 -1	0.3269 -1	0.3482 -1	0.3918 -1	0.4368 -1	0.4818 -1	0.5288 -1	0.5758 -1	0.6228 -1	0.6698 -1	0.7168 -1	0.7638 -1
0.45	0.3593 -1	0.3797 -1	0.3999 -1	0.4212 -1	0.4648 -1	0.5098 -1	0.5548 -1	0.6018 -1	0.6468 -1	0.6918 -1	0.7368 -1	0.7818 -1	0.8268 -1
0.50	0.4359 -1	0.4563 -1	0.4765 -1	0.4978 -1	0.5414 -1	0.5864 -1	0.6314 -1	0.6784 -1	0.7234 -1	0.7684 -1	0.8134 -1	0.8584 -1	0.9034 -1
0.55	0.5125 -1	0.5329 -1	0.5531 -1	0.5744 -1	0.6180 -1	0.6630 -1	0.7080 -1	0.7530 -1	0.7980 -1	0.8430 -1	0.8880 -1	0.9330 -1	0.9780 -1
0.60	0.5891 -1	0.6095 -1	0.6297 -1	0.6510 -1	0.6946 -1	0.7396 -1	0.7846 -1	0.8296 -1	0.8746 -1	0.9196 -1	0.9646 -1	1.0096 -1	1.0546 -1
0.65	0.6657 -1	0.6861 -1	0.7063 -1	0.7276 -1	0.7712 -1	0.8162 -1	0.8612 -1	0.9062 -1	0.9512 -1	0.9962 -1	1.0412 -1	1.0862 -1	1.1312 -1
0.70	0.7423 -1	0.7627 -1	0.7829 -1	0.8042 -1	0.8478 -1	0.8928 -1	0.9378 -1	0.9828 -1	1.0278 -1	1.0728 -1	1.1178 -1	1.1628 -1	1.2078 -1
0.75	0.8189 -1	0.8393 -1	0.8595 -1	0.8808 -1	0.9244 -1	0.9694 -1	1.0144 -1	1.0594 -1	1.1044 -1	1.1494 -1	1.1944 -1	1.2394 -1	1.2844 -1
0.80	0.8955 -1	0.9159 -1	0.9361 -1	0.9574 -1	1.0010 -1	1.0460 -1	1.0910 -1	1.1360 -1	1.1810 -1	1.2260 -1	1.2710 -1	1.3160 -1	1.3610 -1
0.85	0.9721 -1	0.9925 -1	1.0127 -1	1.0340 -1	1.0776 -1	1.1226 -1	1.1676 -1	1.2126 -1	1.2576 -1	1.3026 -1	1.3476 -1	1.3926 -1	1.4376 -1
0.90	1.0487 -1	1.0691 -1	1.0893 -1	1.1106 -1	1.1542 -1	1.1992 -1	1.2442 -1	1.2892 -1	1.3342 -1	1.3792 -1	1.4242 -1	1.4692 -1	1.5142 -1
0.95	1.1253 -1	1.1457 -1	1.1659 -1	1.1872 -1	1.2308 -1	1.2758 -1	1.3208 -1	1.3658 -1	1.4108 -1	1.4558 -1	1.5008 -1	1.5458 -1	1.5908 -1
1.00	1.2019 -1	1.2223 -1	1.2425 -1	1.2638 -1	1.3074 -1	1.3524 -1	1.3974 -1	1.4424 -1	1.4874 -1	1.5324 -1	1.5774 -1	1.6224 -1	1.6674 -1

$F(\eta) \setminus E$	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00				
0.001	0.3003	-1	0.5178	-1	0.1723	-2	0.5449	-2	0.9354	-2	0.7276	-1	0.6101	0.9282	-1	0.1820	0.4313
0.002	0.0026	-3	0.1076	-2	0.3438	-2	0.1072	-1	0.8475	-1	0.4873	-1	0.1041	0.1041	0.1041	0.1837	-1
0.003	0.0044	-2	0.0452	-1	0.5146	-2	0.1983	-1	0.2681	-1	0.4697	-1	0.9718	-1	0.9718	0.2554	-3
0.004	0.0054	-2	0.0852	-1	0.1668	-1	0.5660	-1	0.7321	-1	0.7321	-1	0.1179	-1	0.1179	0.2607	-1
0.005	0.0054	-2	0.2669	-2	0.4881	-2	0.1786	-1	0.1005	-1	0.1005	-1	0.125	-1	0.125	0.2643	-1
0.006	0.006	0.3233	-2	0.5771	-2	0.1033	-1	0.4942	-1	0.9541	-1	0.137	-1	0.137	0.2683	-1	0.3130
0.007	0.007	-2	0.3773	-2	0.1191	-1	0.2072	-1	0.3495	-1	0.8771	-1	0.1230	-1	0.1230	0.2745	-1
0.008	0.008	-2	0.4314	-2	0.1258	-1	0.2354	-1	0.1945	-1	0.9471	-1	0.1814	-1	0.1814	0.2930	-1
0.009	0.009	0.2699	-2	0.1358	-1	0.5910	-1	0.6095	-1	0.1113	-1	0.1450	-1	0.1450	0.2990	-1	0.7594
0.01	0.01	0.3015	-2	0.5766	-2	0.1201	-1	0.4816	-1	0.9771	-1	0.155	-1	0.155	0.2996	-1	0.7594
0.02	0.02	0.1081	-1	0.1917	-1	0.3321	-1	0.5516	-1	0.8731	-1	0.1802	-1	0.1802	0.3793	-1	0.2865
0.03	0.03	0.9138	-2	0.1631	-1	0.4900	-1	0.7981	-1	0.1214	-1	0.1755	-1	0.1755	0.4555	-1	0.5390
0.04	0.04	0.1235	-1	0.2183	-1	0.3020	-1	0.1023	-1	0.1322	-1	0.2808	-1	0.2808	0.5223	-1	0.6120
0.05	0.05	0.1539	-1	0.2740	-1	0.4766	-1	0.7932	-1	0.1806	-1	0.2472	-1	0.2472	0.5802	-1	0.7731
0.06	0.06	0.2177	-1	0.3407	-1	0.1083	-1	0.1845	-1	0.2323	-1	0.4648	-1	0.4648	0.6775	-1	0.8884
0.07	0.07	0.2501	-1	0.4437	-1	0.7956	-1	0.1225	-1	0.1834	-1	0.3079	-1	0.3079	0.7724	-1	0.9724
0.08	0.08	0.2829	-1	0.5013	-1	0.1384	-1	0.2080	-1	0.2791	-1	0.4267	-1	0.4267	0.8286	-1	0.991
0.09	0.09	0.3161	-1	0.5593	-1	0.1501	-1	0.2302	-1	0.3010	-1	0.4875	-1	0.4875	0.8742	-1	0.9884
0.1	0.1	0.3415	-1	0.6176	-1	0.1636	-1	0.2552	-1	0.3427	-1	0.5431	-1	0.5431	0.9142	-1	0.1011
0.11	0.11	0.3735	-1	0.6768	-1	0.1771	-1	0.2722	-1	0.3629	-1	0.6001	-1	0.6001	0.9494	-1	0.1151
0.12	0.12	0.4018	-1	0.7364	-1	0.1904	-1	0.2895	-1	0.3826	-1	0.5995	-1	0.5995	0.9740	-1	0.1151
0.13	0.13	0.4325	-1	0.7965	-1	0.2036	-1	0.3059	-1	0.4022	-1	0.6309	-1	0.6309	0.9849	-1	0.1151
0.14	0.14	0.4676	-1	0.8572	-1	0.2167	-1	0.3295	-1	0.4208	-1	0.6509	-1	0.6509	0.9766	-1	0.1151
0.15	0.15	0.5000	-1	0.9179	-1	0.2295	-1	0.3499	-1	0.4406	-1	0.6724	-1	0.6724	0.9126	-1	0.1167

Table 7-(b) Continued, for $\rho=0.7$.

$F(\eta) \setminus \xi$	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00
0.001	-0.2075	-0.0098	-0.0483	-0.0530	-0.0822	-0.1134	-0.1472	-0.1832	-0.2210	-0.3009	-0.3951	-0.4741	-0.5405
0.002	-0.2357	-0.0127	-0.0609	-0.0660	-0.0962	-0.1282	-0.1624	-0.2000	-0.2401	-0.3229	-0.4193	-0.4993	-0.5669
0.003	-0.2637	-0.0156	-0.0889	-0.0944	-0.1254	-0.1581	-0.1928	-0.2316	-0.2734	-0.3591	-0.4574	-0.5382	-0.6069
0.004	-0.2917	-0.0185	-0.1169	-0.1228	-0.1544	-0.1879	-0.2230	-0.2620	-0.3049	-0.3934	-0.4934	-0.5759	-0.6457
0.005	-0.3197	-0.0214	-0.1449	-0.1511	-0.1834	-0.2176	-0.2539	-0.2940	-0.3380	-0.4293	-0.5310	-0.6142	-0.6850
0.006	-0.3477	-0.0243	-0.1729	-0.1794	-0.2122	-0.2471	-0.2846	-0.3260	-0.3714	-0.4653	-0.5691	-0.6531	-0.7257
0.007	-0.3757	-0.0272	-0.2009	-0.2077	-0.2410	-0.2766	-0.3153	-0.3579	-0.4044	-0.4999	-0.6054	-0.6902	-0.7637
0.008	-0.4037	-0.0301	-0.2289	-0.2360	-0.2707	-0.3070	-0.3478	-0.3915	-0.4381	-0.5353	-0.6414	-0.7270	-0.7995
0.009	-0.4317	-0.0330	-0.2569	-0.2643	-0.3004	-0.3374	-0.3793	-0.4241	-0.4718	-0.5696	-0.6763	-0.7634	-0.8359
0.010	-0.4597	-0.0359	-0.2849	-0.2926	-0.3301	-0.3678	-0.4107	-0.4575	-0.5072	-0.6056	-0.7129	-0.7999	-0.8724
0.011	-0.4877	-0.0388	-0.3129	-0.3209	-0.3597	-0.3981	-0.4410	-0.4887	-0.5404	-0.6394	-0.7472	-0.8341	-0.9066
0.012	-0.5157	-0.0417	-0.3409	-0.3492	-0.3903	-0.4293	-0.4721	-0.5207	-0.5734	-0.6730	-0.7812	-0.8680	-0.9405
0.013	-0.5437	-0.0446	-0.3689	-0.3774	-0.4208	-0.4604	-0.5031	-0.5516	-0.6042	-0.7043	-0.8120	-0.8986	-0.9711
0.014	-0.5717	-0.0475	-0.3969	-0.4057	-0.4504	-0.4906	-0.5332	-0.5815	-0.6340	-0.7346	-0.8419	-0.9283	-1.0008
0.015	-0.5997	-0.0504	-0.4249	-0.4340	-0.4800	-0.5208	-0.5634	-0.6115	-0.6640	-0.7650	-0.8719	-0.9581	-1.0306
0.016	-0.6277	-0.0533	-0.4529	-0.4623	-0.5104	-0.5518	-0.5953	-0.6433	-0.6958	-0.7963	-0.9028	-0.9888	-1.0613
0.017	-0.6557	-0.0562	-0.4809	-0.4906	-0.5400	-0.5820	-0.6264	-0.6742	-0.7266	-0.8267	-0.9338	-1.0196	-1.0921
0.018	-0.6837	-0.0591	-0.5089	-0.5189	-0.5703	-0.6130	-0.6582	-0.7058	-0.7580	-0.8577	-0.9644	-1.0500	-1.1225
0.019	-0.7117	-0.0620	-0.5369	-0.5472	-0.5999	-0.6433	-0.6894	-0.7378	-0.7906	-0.8899	-0.9962	-1.0816	-1.1541
0.020	-0.7397	-0.0649	-0.5649	-0.5755	-0.6304	-0.6744	-0.7213	-0.7699	-0.8234	-0.9223	-1.0282	-1.1134	-1.1859
0.021	-0.7677	-0.0678	-0.5929	-0.6038	-0.6600	-0.7046	-0.7523	-0.8008	-0.8540	-0.9525	-1.0581	-1.1432	-1.2157
0.022	-0.7957	-0.0707	-0.6209	-0.6321	-0.6894	-0.7346	-0.7830	-0.8313	-0.8843	-0.9824	-1.0876	-1.1726	-1.2451
0.023	-0.8237	-0.0736	-0.6489	-0.6604	-0.7200	-0.7658	-0.8140	-0.8621	-0.9149	-1.0126	-1.1174	-1.2024	-1.2749
0.024	-0.8517	-0.0765	-0.6769	-0.6887	-0.7504	-0.7968	-0.8450	-0.8929	-0.9455	-1.0429	-1.1474	-1.2323	-1.3048
0.025	-0.8797	-0.0794	-0.7049	-0.7170	-0.7787	-0.8256	-0.8736	-0.9213	-0.9736	-1.0707	-1.1750	-1.2598	

Table 8-(b) Continued, for $\rho = 0.8$.

$E(\eta_k)$	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00
0.001	0.7234	0.9137	1.1137	1.3546	1.6506	2.0008	2.4888	0.2990	0.3508	0.4397	0.5625	0.6844	0.8022
0.01	0.7234	0.9137	1.1137	1.3546	1.6506	2.0008	2.4888	0.2990	0.3508	0.4397	0.5625	0.6844	0.8022
0.02	0.7159	0.9076	1.1076	1.3485	1.6445	1.9947	2.4819	0.2921	0.3439	0.4328	0.5556	0.6775	0.7953
0.04	0.7089	0.9006	1.1006	1.3415	1.6375	1.9877	2.4749	0.2851	0.3369	0.4258	0.5486	0.6705	0.7883
0.05	0.7069	0.8986	1.0986	1.3395	1.6355	1.9857	2.4729	0.2831	0.3349	0.4238	0.5466	0.6685	0.7863
0.06	0.7049	0.8966	1.0966	1.3375	1.6335	1.9837	2.4709	0.2811	0.3329	0.4218	0.5446	0.6665	0.7843
0.08	0.7009	0.8926	1.0926	1.3335	1.6295	1.9797	2.4669	0.2771	0.3289	0.4178	0.5406	0.6625	0.7803
0.10	0.6989	0.8906	1.0906	1.3315	1.6275	1.9777	2.4649	0.2751	0.3269	0.4158	0.5386	0.6605	0.7783
0.20	0.6950	0.8867	1.0867	1.3276	1.6236	1.9738	2.4610	0.2712	0.3230	0.4119	0.5347	0.6566	0.7744
0.30	0.6911	0.8828	1.0828	1.3237	1.6197	1.9699	2.4571	0.2673	0.3191	0.4080	0.5308	0.6527	0.7705
0.40	0.6872	0.8789	1.0789	1.3198	1.6158	1.9660	2.4532	0.2634	0.3152	0.4041	0.5269	0.6488	0.7666
0.50	0.6833	0.8750	1.0750	1.3159	1.6119	1.9621	2.4493	0.2595	0.3113	0.4002	0.5230	0.6449	0.7627
0.60	0.6794	0.8711	1.0711	1.3120	1.6080	1.9582	2.4454	0.2556	0.3074	0.3963	0.5191	0.6410	0.7588
0.70	0.6755	0.8672	1.0672	1.3081	1.6041	1.9543	2.4415	0.2517	0.3035	0.3924	0.5152	0.6371	0.7549
0.80	0.6716	0.8633	1.0633	1.3042	1.6002	1.9504	2.4376	0.2478	0.2996	0.3885	0.5113	0.6332	0.7510
0.90	0.6677	0.8594	1.0594	1.3003	1.5963	1.9465	2.4337	0.2439	0.2957	0.3846	0.5074	0.6293	0.7471
1.00	0.6638	0.8555	1.0555	1.2964	1.5924	1.9426	2.4298	0.2400	0.2918	0.3807	0.5035	0.6254	0.7432
1.20	0.6599	0.8516	1.0516	1.2925	1.5885	1.9387	2.4259	0.2361	0.2879	0.3768	0.5000	0.6215	0.7393
1.40	0.6560	0.8477	1.0477	1.2886	1.5846	1.9348	2.4220	0.2322	0.2840	0.3729	0.4961	0.6176	0.7354
1.60	0.6521	0.8438	1.0438	1.2847	1.5807	1.9309	2.4181	0.2283	0.2801	0.3690	0.4922	0.6137	0.7315
1.80	0.6482	0.8399	1.0399	1.2808	1.5768	1.9270	2.4142	0.2244	0.2762	0.3651	0.4883	0.6098	0.7276
2.00	0.6443	0.8360	1.0360	1.2769	1.5729	1.9231	2.4103	0.2205	0.2723	0.3612	0.4844	0.6059	0.7237
2.20	0.6404	0.8321	1.0321	1.2730	1.5690	1.9192	2.4064	0.2166	0.2684	0.3573	0.4805	0.6020	0.7198
2.40	0.6365	0.8282	1.0282	1.2691	1.5651	1.9153	2.4025	0.2127	0.2645	0.3534	0.4766	0.5981	0.7159
2.60	0.6326	0.8243	1.0243	1.2652	1.5612	1.9114	2.4000	0.2088	0.2606	0.3495	0.4727	0.5942	0.7120
2.80	0												

$\gamma(\pi/2, \frac{1}{2})$	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
0.001	0.1001	-0.1932	-0.7894	-2.3690	-6.9071	-16.697	-35.532	-63.312	-97.578	-137.008	-181.532	-230.108	-282.732
0.002	0.2002	-0.4166	-1.4432	-3.5466	-8.1209	-20.048	-40.308	-70.408	-107.008	-150.008	-198.532	-252.532	-312.008
0.003	0.3003	-0.7738	-2.1995	-4.8734	-11.4110	-23.314	-43.338	-72.448	-107.592	-147.736	-192.880	-243.024	-298.168
0.004	0.4004	-1.1780	-3.4877	-7.0846	-16.2517	-33.584	-59.776	-94.472	-137.008	-186.532	-242.064	-302.108	-367.152
0.005	0.5005	-1.6232	-5.0571	-10.2432	-23.314	-43.338	-72.448	-107.592	-147.736	-192.880	-243.024	-298.168	-353.200
0.006	0.6013	-2.1096	-6.9306	-13.2115	-30.2560	-56.288	-86.308	-121.408	-161.552	-206.736	-256.880	-311.924	-372.064
0.007	0.7025	-2.6302	-9.0721	-16.1616	-39.1917	-72.256	-107.408	-147.552	-192.696	-237.840	-287.984	-343.024	-403.064
0.008	0.8037	-3.1840	-11.4740	-20.0934	-49.1209	-94.408	-139.552	-184.696	-229.840	-274.984	-325.024	-380.064	-440.108
0.009	0.9049	-3.7668	-14.1475	-24.1155	-60.0400	-116.552	-166.696	-211.840	-256.984	-302.024	-352.064	-407.108	-467.152
0.01	1.0062	-4.3760	-17.1960	-28.1468	-72.256	-116.552	-166.696	-211.840	-256.984	-302.024	-352.064	-407.108	-467.152
0.02	0.2020	-2.0242	-7.7775	-16.648	-27.756	-49.996	-86.308	-121.408	-161.552	-206.736	-256.880	-311.924	-372.064
0.03	0.3046	-2.4481	-9.9403	-19.961	-40.308	-72.256	-107.408	-147.552	-192.696	-237.840	-287.984	-343.024	-403.064
0.04	0.4082	-2.9201	-12.1112	-23.216	-52.256	-94.408	-139.552	-184.696	-229.840	-274.984	-325.024	-380.064	-440.108
0.05	0.5129	-3.4291	-14.264	-26.246	-64.256	-116.552	-166.696	-211.840	-256.984	-302.024	-352.064	-407.108	-467.152
0.06	0.6186	-3.9638	-16.4175	-29.276	-76.256	-139.552	-184.696	-229.840	-274.984	-325.024	-380.064	-440.108	-500.152
0.07	0.7257	-4.5240	-18.5707	-32.308	-88.256	-161.552	-206.736	-256.880	-311.924	-372.064	-437.108	-500.152	-567.200
0.08	0.8338	-5.1099	-20.7237	-35.340	-100.256	-184.696	-229.840	-274.984	-325.024	-380.064	-440.108	-500.152	-567.200
0.09	0.9431	-5.7199	-22.8766	-38.372	-112.256	-206.736	-256.880	-311.924	-372.064	-437.108	-500.152	-567.200	-634.248
0.10	1.0534	-6.3521	-25.0295	-41.404	-124.256	-229.840	-274.984	-325.024	-380.064	-440.108	-500.152	-567.200	-634.248
0.11	1.1647	-7.0074	-27.1820	-44.436	-136.256	-256.880	-311.924	-372.064	-437.108	-500.152	-567.200	-634.248	-701.292
0.12	1.2769	-7.6840	-29.3349	-47.468	-148.256	-283.920	-339.960	-397.000	-457.080	-517.120	-577.160	-637.200	-701.292
0.13	1.3901	-8.3824	-31.4874	-50.499	-160.256	-311.924	-372.064	-437.108	-500.152	-567.200	-634.248	-701.292	-768.336
0.14	1.5042	-9.1016	-33.6403	-53.530	-172.256	-339.960	-397.000	-457.080	-517.120	-577.160	-637.200	-701.292	-835.380
0.15	1.6193	-9.8412	-35.7928	-56.561	-184.256	-367.920	-429.960	-485.080	-545.120	-605.160	-665.200	-725.240	-802.424

Table 9-(b) Continued, for $\rho=0.9$.

$F(\eta/\xi) \backslash \xi$	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00
0.001	0.1213 +	0.1495 +	0.1787 +	0.2087 +	0.2704 +	0.3149 +	0.4032 +	0.4687 +	0.5375 +	0.6760 +	0.8227 +	0.9668 +	0.1115 +
0.002	0.1319 +	0.1612 +	0.1915 +	0.2225 +	0.2865 +	0.3326 +	0.4203 +	0.4851 +	0.5597 +	0.7070 +	0.8527 +	0.9968 +	0.1148 +
0.003	0.1397 +	0.1702 +	0.1996 +	0.2313 +	0.2983 +	0.3458 +	0.4333 +	0.4985 +	0.5735 +	0.7218 +	0.8652 +	0.1017 +	0.1167 +
0.004	0.1451 +	0.1768 +	0.2049 +	0.2376 +	0.3079 +	0.3568 +	0.4443 +	0.5100 +	0.5856 +	0.7349 +	0.8785 +	0.1026 +	0.1182 +
0.005	0.1478 +	0.1798 +	0.2068 +	0.2401 +	0.3107 +	0.3609 +	0.4485 +	0.5145 +	0.5903 +	0.7406 +	0.8841 +	0.1030 +	0.1204 +
0.006	0.1493 +	0.1816 +	0.2086 +	0.2417 +	0.3126 +	0.3634 +	0.4504 +	0.5167 +	0.5927 +	0.7436 +	0.8871 +	0.1032 +	0.1222 +
0.007	0.1505 +	0.1829 +	0.2100 +	0.2431 +	0.3141 +	0.3650 +	0.4519 +	0.5185 +	0.5944 +	0.7461 +	0.8901 +	0.1034 +	0.1239 +
0.008	0.1516 +	0.1841 +	0.2113 +	0.2444 +	0.3155 +	0.3664 +	0.4534 +	0.5200 +	0.5959 +	0.7491 +	0.8931 +	0.1036 +	0.1257 +
0.009	0.1526 +	0.1853 +	0.2126 +	0.2457 +	0.3169 +	0.3678 +	0.4549 +	0.5215 +	0.5974 +	0.7521 +	0.8961 +	0.1038 +	0.1275 +
0.01	0.1536 +	0.1865 +	0.2139 +	0.2470 +	0.3183 +	0.3692 +	0.4564 +	0.5230 +	0.5989 +	0.7551 +	0.8991 +	0.1040 +	0.1293 +
0.02	0.1574 +	0.2112 +	0.2456 +	0.2607 +	0.3221 +	0.4004 +	0.4724 +	0.5451 +	0.6195 +	0.7697 +	0.9222 +	0.1117 +	0.1321 +
0.03	0.1618 +	0.2225 +	0.2579 +	0.2737 +	0.3267 +	0.4041 +	0.4766 +	0.5495 +	0.6240 +	0.7741 +	0.9265 +	0.1143 +	0.1354 +
0.04	0.1658 +	0.2321 +	0.2675 +	0.2836 +	0.3308 +	0.4079 +	0.4799 +	0.5531 +	0.6281 +	0.7781 +	0.9303 +	0.1169 +	0.1387 +
0.05	0.1695 +	0.2402 +	0.2747 +	0.2900 +	0.3349 +	0.4102 +	0.4832 +	0.5564 +	0.6314 +	0.7821 +	0.9341 +	0.1195 +	0.1420 +
0.06	0.1729 +	0.2467 +	0.2791 +	0.2953 +	0.3390 +	0.4125 +	0.4865 +	0.5597 +	0.6347 +	0.7861 +	0.9379 +	0.1221 +	0.1453 +
0.07	0.1763 +	0.2522 +	0.2842 +	0.3006 +	0.3431 +	0.4148 +	0.4898 +	0.5630 +	0.6380 +	0.7901 +	0.9417 +	0.1247 +	0.1486 +
0.08	0.1797 +	0.2577 +	0.2893 +	0.3059 +	0.3472 +	0.4171 +	0.4929 +	0.5663 +	0.6413 +	0.7941 +	0.9455 +	0.1273 +	0.1519 +
0.09	0.1831 +	0.2632 +	0.2944 +	0.3112 +	0.3513 +	0.4194 +	0.4960 +	0.5696 +	0.6446 +	0.7981 +	0.9493 +	0.1299 +	0.1552 +
0.10	0.1865 +	0.2687 +	0.2995 +	0.3165 +	0.3554 +	0.4217 +	0.4991 +	0.5729 +	0.6479 +	0.8021 +	0.9531 +	0.1325 +	0.1585 +
0.11	0.1899 +	0.2742 +	0.3046 +	0.3218 +	0.3595 +	0.4240 +	0.5022 +	0.5762 +	0.6512 +	0.8061 +	0.9569 +	0.1351 +	0.1618 +
0.12	0.1933 +	0.2797 +	0.3108 +	0.3271 +	0.3636 +	0.4263 +	0.5053 +	0.5793 +	0.6545 +	0.8093 +	0.9607 +	0.1377 +	0.1651 +
0.13	0.1967 +	0.2852 +	0.3159 +	0.3324 +	0.3677 +	0.4286 +	0.5084 +	0.5824 +	0.6578 +	0.8125 +	0.9645 +	0.1403 +	0.1684 +
0.14	0.2001 +	0.2907 +	0.3210 +	0.3377 +	0.3718 +	0.4309 +	0.5115 +	0.5855 +	0.6611 +	0.8157 +	0.9683 +	0.1429 +	0.1717 +
0.15	0.2035 +	0.2962 +	0.3261 +	0.3430 +	0.3759 +	0.4332 +	0.5146 +	0.5886 +	0.6644 +	0.8189 +	0.9721 +	0.1455 +	0.1750 +
0.16	0.2069 +	0.3017 +	0.3312 +	0.3481 +	0.3800 +	0.4355 +	0.5177 +	0.5917 +	0.6677 +	0.8221 +	0.9759 +	0.1481 +	0.1783 +
0.17	0.2103 +	0.3072 +	0.3363 +	0.3532 +	0.3841 +	0.4378 +	0.5208 +	0.5948 +	0.6710 +	0.8253 +	0.9797 +	0.1507 +	0.1816 +
0.18	0.2137 +	0.3127 +	0.3414 +	0.3583 +	0.3882 +	0.4401 +	0.5239 +	0.5979 +	0.6743 +	0.8285 +	0.9835 +	0.1533 +	0.1849 +
0.19	0.2171 +	0.3182 +	0.3465 +	0.3634 +	0.3923 +	0.4424 +	0.5270 +	0.6010 +	0.6776 +	0.8317 +	0.9873 +	0.1559 +	0.1882 +
0.20	0.2205 +	0.3237 +	0.3516 +	0.3685 +	0.3964 +	0.4447 +	0.5301 +	0.6041 +	0.6809 +	0.8349 +	0.9911 +	0.1585 +	0.1915 +
0.25	0.2465 +	0.3509 +	0.3716 +	0.3785 +	0.4069 +	0.4609 +	0.5409 +	0.6211 +	0.7131 +	0.7855 +	0.8687 +	0.1135 +	0.1306 +
0.30	0.2685 +	0.3698 +	0.3914 +	0.4065 +	0.4710 +	0.5174 +	0.6033 +	0.7095 +	0.8167 +	0.8859 +	0.1160 +	0.1333 +	0.1506 +
0.35	0.2876 +	0.3758 +	0.4014 +	0.4165 +	0.4818 +	0.5274 +	0.6137 +	0.7200 +	0.8271 +	0.8963 +	0.1185 +	0.1359 +	0.1532 +
0.40	0.3030 +	0.3798 +	0.4054 +	0.4205 +	0.4858 +	0.5319 +	0.6180 +	0.7243 +	0.8314 +	0.9006 +	0.1210 +	0.1386 +	0.1559 +
0.45	0.3101 +	0.3844 +	0.4099 +	0.4250 +	0.4902 +	0.5362 +	0.6231 +	0.7294 +	0.8365 +	0.9057 +	0.1235 +	0.1413 +	0.1586 +
0.50	0.3203 +	0.3950 +	0.4214 +	0.4365 +	0.4958 +	0.5430 +	0.6342 +	0.7405 +	0.8476 +	0.9168 +	0.1260 +	0.1440 +	0.1613 +
0.55	0.3301 +	0.4078 +	0.4344 +	0.4495 +	0.5081 +	0.5553 +	0.6454 +	0.7517 +	0.8588 +	0.9280 +	0.1285 +	0.1467 +	0.1640 +
0.60	0.3400 +	0.4198 +	0.4464 +	0.4615 +	0.5200 +	0.5672 +	0.6581 +	0.7644 +	0.8715 +	0.9427 +	0.1310 +	0.1494 +	0.1667 +
0.65	0.3501 +	0.4318 +	0.4584 +	0.4735 +	0.5320 +	0.5792 +	0.6699 +	0.7762 +	0.8833 +	0.9545 +	0.1335 +	0.1521 +	0.1694 +
0.70	0.3632 +	0.4411 +	0.4677 +	0.4828 +	0.5411 +	0.5883 +	0.6791 +	0.7854 +	0.8925 +	0.9657 +	0.1360 +	0.1548 +	0.1721 +
0.75	0.3760 +	0.4507 +	0.4773 +	0.4924 +	0.5500 +	0.5972 +	0.6880 +	0.7943 +	0.9014 +	0.9749 +	0.1385 +	0.1575 +	0.1749 +
0.80	0.3907 +	0.4603 +	0.4869 +	0.5020 +	0.5600 +	0.6072 +	0.6980 +	0.8043 +	0.9114 +	0.9849 +	0.1410 +	0.1602 +	0.1776 +
0.85	0.4080 +	0.4706 +	0.4972 +	0.5123 +	0.5703 +	0.6175 +	0.7083 +	0.8146 +	0.9217 +	0.9951 +	0.1435 +	0.1629 +	0.1803 +
0.90	0.4303 +	0.4823 +	0.5089 +	0.5240 +	0.5820 +	0.6292 +	0.7200 +	0.8263 +	0.9334 +	1.0036 +	0.1460 +	0.1656 +	0.1830 +
0.95	0.4481 +	0.4945 +	0.5211 +	0.5362 +	0.5942 +	0.6414 +	0.7322 +	0.8385 +	0.9456 +	1.0158 +	0.1485 +	0.1683 +	0.1857 +
0.99	0.4648 +	0.5095 +	0.5361 +	0.5512 +	0.6092 +	0.6564 +	0.7472 +	0.8535 +	0.9606 +	1.0280 +	0.1510 +	0.1710 +	0.1884 +
0.995	0.4687 +	0.5134 +	0.5400 +	0.5551 +	0.6131 +	0.6603 +	0.7510 +	0.8573 +	0.9644 +	1.0319 +	0.1519 +	0.1719 +	0.1893 +
0.997	0.4697 +	0.5144 +	0.5410 +	0.5561 +	0.6141 +	0.6613 +	0.7520 +	0.8583 +	0.9654 +	1.0329 +	0.1520 +	0.1720 +	0.1894 +
0.998	0.4707 +	0.5154 +	0.5420 +	0.5571 +	0.6151 +	0.6623 +	0.7530 +	0.8593 +	0.9664 +	1.0339 +	0.1521 +	0.1721 +	0.1895 +
0.999	0.4717 +	0.5164 +	0.5430 +	0.5581 +	0.6161 +	0.6633 +	0.7540 +	0.8603 +	0.9674 +	1.0349 +	0.1522 +	0.1722 +	0.1896 +