

conv(n \* N, E(alpha))

p0      n      alpha      max rel err at x\_i

0.95	4	x_i	0	2.29	3.29	10	
	1	y_i	1.835	2.021	2.060	2.110	0.32%
		d_i	-0.012	0.073	0.022	0.001	
	1.5	y_i	1.841	1.959	1.993	2.029	0.23%
		d_i	-0.041	0.058	0.020	0.002	
	2	y_i	1.842	1.910	1.937	1.961	0.28%
		d_i	-0.048	0.043	0.017	0.004	
	3	y_i	1.842	1.852	1.863	1.870	0.27%
		d_i	-0.033	0.016	0.008	0.005	
	5	y_i	1.841	1.802	1.796	1.776	0.22%
		d_i	-0.017	-0.010	-0.004	-0.001	
	8	y_i	1.839	1.778	1.760	1.722	0.18%
		d_i	-0.004	-0.026	-0.013	-0.003	
	100	y_i	1.838	1.755	1.722	1.655	0.14%
		d_i	0.004	-0.043	-0.026	-0.004	

0.95	5	x_i	0	1.42	5.53	10	
	1	y_i	1.963	2.017	2.100	2.114	0.22%
		d_i	-0.025	0.058	0.004	-0.005	
	1.5	y_i	1.968	1.978	2.027	2.031	0.25%
		d_i	-0.056	0.033	0.002	-0.001	
	2	y_i	1.968	1.950	1.963	1.963	0.25%
		d_i	-0.056	0.007	0.000	0.002	
	3	y_i	1.968	1.916	1.878	1.868	0.25%
		d_i	-0.045	-0.027	-0.002	0.002	
	5	y_i	1.966	1.889	1.795	1.778	0.20%
		d_i	-0.023	-0.060	-0.005	0.002	
	8	y_i	1.965	1.877	1.745	1.724	0.18%
		d_i	-0.007	-0.078	-0.009	0.002	
	100	y_i	1.964	1.865	1.689	1.658	0.13%
		d_i	0.005	-0.094	-0.013	-0.002	

0.95	7	x_i	0	1.05	4.09	10	
	1	y_i	2.000	2.018	2.094	2.118	0.14%
		d_i	-0.052	0.046	0.011	0.005	
	1.5	y_i	2.002	1.992	2.025	2.033	0.20%
		d_i	-0.061	0.016	0.006	0.003	
	2	y_i	2.002	1.973	1.964	1.962	0.20%
		d_i	-0.047	-0.015	0.001	0.004	
	3	y_i	2.000	1.951	1.883	1.868	0.17%
		d_i	-0.018	-0.054	-0.006	-0.001	
	5	y_i	1.997	1.934	1.806	1.775	0.15%
		d_i	0.021	-0.089	-0.014	-0.003	
	8	y_i	1.996	1.926	1.763	1.720	0.16%
		d_i	0.038	-0.107	-0.021	-0.005	
	100	y_i	1.995	1.919	1.715	1.653	0.20%
		d_i	0.052	-0.122	-0.029	-0.011	

0.95	20	x_i	0	1.51	5.49	10	
	1	y_i	1.982	2.028	2.106	2.115	0.10%
		d_i	-0.029	0.052	0.003	-0.001	
	1.5	y_i	1.982	1.994	2.028	2.032	0.10%
		d_i	-0.027	0.022	0.002	0.000	
	2	y_i	1.982	1.964	1.962	1.961	0.12%
		d_i	-0.020	-0.005	0.000	0.001	
	3	y_i	1.982	1.927	1.873	1.867	0.12%
		d_i	-0.012	-0.040	-0.002	0.003	
	5	y_i	1.980	1.895	1.788	1.774	0.13%
		d_i	0.005	-0.073	-0.005	0.004	
	8	y_i	1.980	1.880	1.738	1.718	0.11%
		d_i	0.016	-0.092	-0.008	0.002	
	100	y_i	1.979	1.865	1.683	1.654	0.13%
		d_i	0.027	-0.109	-0.012	0.001	
0.975	4	x_i	0	1.10	2.10	10	
	1	y_i	2.421	2.381	2.449	2.604	0.55%
		d_i	-0.118	0.036	0.076	0.024	
	1.5	y_i	2.415	2.318	2.320	2.388	0.27%
		d_i	-0.024	-0.064	0.031	0.008	
	2	y_i	2.411	2.289	2.246	2.241	0.22%
		d_i	0.017	-0.116	-0.006	-0.005	
	3	y_i	2.409	2.267	2.171	2.073	0.43%
		d_i	0.054	-0.166	-0.055	-0.021	
	5	y_i	2.408	2.257	2.118	1.920	0.52%
		d_i	0.064	-0.196	-0.101	-0.032	
	8	y_i	2.408	2.255	2.095	1.834	0.54%
		d_i	0.056	-0.206	-0.126	-0.034	
	100	y_i	2.409	2.255	2.077	1.729	0.54%
		d_i	0.050	-0.213	-0.148	-0.033	
0.975	5	x_i	0	1.02	2.51	10	
	1	y_i	2.482	2.434	2.506	2.605	0.53%
		d_i	-0.166	0.026	0.051	0.019	
	1.5	y_i	2.477	2.374	2.355	2.388	0.53%
		d_i	-0.079	-0.078	0.017	0.007	
	2	y_i	2.474	2.340	2.260	2.244	0.21%
		d_i	-0.025	-0.140	-0.009	-0.002	
	3	y_i	2.469	2.313	2.158	2.073	0.29%
		d_i	0.040	-0.202	-0.047	-0.016	
	5	y_i	2.467	2.297	2.080	1.919	0.43%
		d_i	0.072	-0.241	-0.085	-0.028	
	8	y_i	2.467	2.291	2.043	1.833	0.52%
		d_i	0.074	-0.256	-0.106	-0.030	
	100	y_i	2.467	2.287	2.009	1.723	0.54%
		d_i	0.076	-0.267	-0.129	-0.035	

0.975	7	x_i	0	1.03	2.64	10	
	1	y_i	2.435	2.415	2.514	2.606	0.45%
		d_i	-0.181	0.063	0.052	0.018	
	1.5	y_i	2.432	2.350	2.353	2.391	0.37%
		d_i	-0.114	-0.041	0.020	0.010	
	2	y_i	2.429	2.314	2.251	2.247	0.33%
		d_i	-0.055	-0.107	-0.005	0.002	
	3	y_i	2.425	2.280	2.140	2.071	0.25%
		d_i	0.004	-0.174	-0.037	-0.011	
	5	y_i	2.422	2.257	2.051	1.918	0.32%
		d_i	0.043	-0.221	-0.070	-0.022	
	8	y_i	2.422	2.248	2.006	1.827	0.43%
		d_i	0.056	-0.241	-0.090	-0.028	
	100	y_i	2.421	2.241	1.966	1.721	0.44%
		d_i	0.061	-0.257	-0.111	-0.031	
0.975	20	x_i	0	1.82	2.82	10	
	1.000	y_i	2.305	2.470	2.536	2.605	0.17%
		d_i	-0.074	0.113	0.038	0.010	
	1.5	y_i	2.306	2.332	2.357	2.386	0.22%
		d_i	-0.068	0.038	0.017	0.004	
	2	y_i	2.306	2.247	2.243	2.243	0.22%
		d_i	-0.052	-0.012	0.000	0.001	
	3	y_i	2.305	2.157	2.117	2.071	0.22%
		d_i	-0.028	-0.07	-0.023	-0.005	
	5	y_i	2.304	2.088	2.013	1.917	0.22%
		d_i	-0.006	-0.119	-0.048	-0.012	
	8	y_i	2.303	2.056	1.961	1.825	0.24%
		d_i	0.002	-0.144	-0.064	-0.015	
	100	y_i	2.302	2.029	1.912	1.719	0.24%
		d_i	0.014	-0.169	-0.084	-0.019	
0.99	4	x_i	0	1.39	2.73	10	
	1	y_i	3.393	3.095	3.107	3.241	0.83%
		d_i	-0.202	-0.118	0.063	0.020	
	1.5	y_i	3.378	2.967	2.824	2.823	0.27%
		d_i	-0.027	-0.290	-0.013	-0.005	
	2	y_i	3.369	2.917	2.677	2.573	0.43%
		d_i	0.060	-0.373	-0.071	-0.029	
	3	y_i	3.366	2.890	2.545	2.304	0.70%
		d_i	0.090	-0.434	-0.146	-0.056	
	5	y_i	3.367	2.882	2.463	2.082	0.84%
		d_i	0.074	-0.461	-0.208	-0.063	
	8	y_i	3.368	2.879	2.432	1.962	0.81%
		d_i	0.065	-0.470	-0.234	-0.060	
	100	y_i	3.370	2.877	2.410	1.824	0.75%
		d_i	0.055	-0.476	-0.255	-0.063	

0.99	5	x_i	0	1.41	2.42	10	
	1	y_i	3.281	3.036	3.088	3.251	0.79%
		d_i	-0.298	-0.025	0.081	0.028	
	1.5	y_i	3.270	2.869	2.802	2.827	0.64%
		d_i	-0.142	-0.208	0.004	0.004	
	2	y_i	3.264	2.794	2.653	2.574	0.36%
		d_i	-0.079	-0.298	-0.053	-0.019	
	3	y_i	3.258	2.736	2.514	2.304	0.54%
		d_i	-0.007	-0.386	-0.123	-0.038	
	5	y_i	3.257	2.708	2.424	2.076	0.78%
		d_i	0.005	-0.437	-0.185	-0.052	
	8	y_i	3.256	2.700	2.386	1.949	0.79%
		d_i	0.008	-0.457	-0.217	-0.057	
	100	y_i	3.257	2.692	2.357	1.805	0.79%
		d_i	0.007	-0.472	-0.240	-0.058	
0.99	7	x_i	0	1.29	2.29	10	
	1	y_i	3.050	2.962	3.068	3.256	0.76%
		d_i	-0.328	0.087	0.104	0.036	
	1.5	y_i	3.042	2.786	2.770	2.829	0.58%
		d_i	-0.193	-0.109	0.028	0.013	
	2	y_i	3.036	2.703	2.613	2.578	0.39%
		d_i	-0.102	-0.216	-0.025	-0.008	
	3	y_i	3.03	2.635	2.463	2.302	0.48%
		d_i	-0.026	-0.315	-0.091	-0.029	
	5	y_i	3.027	2.596	2.360	2.071	0.64%
		d_i	0.007	-0.378	-0.151	-0.042	
	8	y_i	3.026	2.583	2.315	1.941	0.76%
		d_i	0.021	-0.404	-0.182	-0.049	
	100	y_i	3.026	2.571	2.276	1.791	0.77%
		d_i	0.022	-0.425	-0.211	-0.053	
0.99	20	x_i	0	1.64	3.35	10	
	1	y_i	2.711	2.987	3.174	3.248	0.38%
		d_i	-0.150	0.238	0.038	0.006	
	1.5	y_i	2.717	2.727	2.792	2.827	0.41%
		d_i	-0.151	0.066	0.020	0.008	
	2	y_i	2.717	2.592	2.578	2.577	0.41%
		d_i	-0.123	-0.034	0.003	0.004	
	3	y_i	2.715	2.465	2.356	2.306	0.33%
		d_i	-0.079	-0.138	-0.023	-0.004	
	5	y_i	2.713	2.380	2.186	2.073	0.26%
		d_i	-0.040	-0.215	-0.054	-0.012	
	8	y_i	2.712	2.342	2.103	1.943	0.26%
		d_i	-0.029	-0.250	-0.074	-0.014	
	100	y_i	2.711	2.311	2.024	1.788	0.28%
		d_i	-0.016	-0.282	-0.097	-0.022	

conv(n \* U, E(alpha))

p0	n	alpha							max rel err at x_i
0.95	4	x_i	0	0.79	1.08	2.26	10		
		1	y_i	1.720	1.859	1.943	2.067	2.119	0.37%
			d_i	-0.196	0.325	0.247	0.031	0.010	
		1.5	y_i	1.719	1.792	1.868	1.990	2.035	0.37%
			d_i	-0.128	0.255	0.242	0.029	0.009	
		2	y_i	1.717	1.752	1.816	1.924	1.964	0.33%
			d_i	-0.066	0.191	0.214	0.027	0.010	
		3	y_i	1.714	1.711	1.754	1.837	1.867	0.37%
			d_i	0.007	0.103	0.155	0.024	0.010	
		5	y_i	1.713	1.684	1.702	1.750	1.774	0.34%
			d_i	0.039	0.020	0.077	0.021	0.010	
		8	y_i	1.713	1.675	1.676	1.698	1.717	0.37%
			d_i	0.031	-0.027	0.018	0.017	0.009	
	100	y_i	1.715	1.671	1.653	1.636	1.645		0.14%
		d_i	-0.003	-0.071	-0.050	0.004	-0.001		
0.95	5	x_i	0	0.54	0.71	1.69	10		
		1	y_i	1.935	1.974	2.013	2.092	2.121	0.38%
			d_i	-0.244	0.237	0.208	0.016	0.006	
		1.5	y_i	1.934	1.914	1.946	2.017	2.036	0.26%
			d_i	-0.133	0.143	0.193	0.011	0.004	
		2	y_i	1.932	1.879	1.899	1.952	1.962	0.17%
			d_i	-0.054	0.056	0.145	0.008	0.004	
		3	y_i	1.931	1.843	1.846	1.866	1.866	0.22%
			d_i	0.042	-0.063	0.055	0.003	0.004	
		5	y_i	1.930	1.823	1.805	1.783	1.771	0.36%
			d_i	0.059	-0.173	-0.065	-0.002	0.002	
		8	y_i	1.931	1.816	1.785	1.733	1.712	0.18%
			d_i	0.025	-0.231	-0.144	-0.008	0.000	
	100	y_i	1.932	1.813	1.767	1.675	1.644		0.38%
		d_i	-0.020	-0.294	-0.239	-0.020	-0.008		
0.95	7	x_i	0	0.33	0.50	1.48	10		
		1	y_i	2.050	2.031	2.053	2.102	2.120	0.33%
			d_i	-0.350	0.118	0.129	0.010	0.003	
		1.5	y_i	2.049	1.985	1.994	2.027	2.034	0.23%
			d_i	-0.216	-0.041	0.093	0.004	0.001	
		2	y_i	2.049	1.955	1.951	1.963	1.961	0.13%
			d_i	-0.094	-0.169	0.039	-0.001	0.001	
		3	y_i	2.048	1.927	1.900	1.875	1.863	0.15%
			d_i	0.056	-0.330	-0.066	-0.006	-0.002	
		5	y_i	2.047	1.912	1.861	1.789	1.768	0.32%
			d_i	0.144	-0.460	-0.196	-0.011	-0.002	
		8	y_i	2.048	1.908	1.843	1.737	1.709	0.27%
			d_i	0.073	-0.508	-0.294	-0.014	-0.004	
	100	y_i	2.048	1.908	1.825	1.676	1.643		0.33%
		d_i	-0.008	-0.559	-0.413	-0.021	-0.008		

0.95	20	x_i	0	0.20	0.39	1.13	10	
	1	y_i	2.112	2.064	2.082	2.111	2.120	0.15%
		d_i	-0.715	0.044	0.107	0.006	0.003	
	1.5	y_i	2.112	2.020	2.019	2.031	2.035	0.20%
		d_i	-0.95	-0.122	0.043	0.003	0.001	
	2	y_i	2.112	1.986	1.963	1.962	1.960	0.25%
		d_i	-0.807	-0.356	-0.003	-0.001	0.000	
	3	y_i	2.112	1.947	1.894	1.870	1.863	0.31%
		d_i	-0.619	-0.644	-0.086	-0.005	-0.002	
	5	y_i	2.112	1.915	1.830	1.780	1.767	0.22%
		d_i	-0.405	-0.916	-0.187	-0.009	-0.003	
	8	y_i	2.112	1.901	1.795	1.724	1.709	0.25%
		d_i	-0.259	-1.067	-0.266	-0.010	-0.003	
	100	y_i	2.112	1.889	1.758	1.659	1.643	0.31%
		d_i	-0.145	-1.212	-0.381	-0.010	-0.004	
0.975	4	x_i	0	0.54	1.35	2.44	10	
	1	y_i	2.426	2.353	2.469	2.553	2.606	0.47%
		d_i	-0.187	-0.013	0.171	0.027	0.006	
	1.5	y_i	2.419	2.301	2.307	2.358	2.389	0.14%
		d_i	0.051	-0.228	0.098	0.019	0.007	
	2	y_i	2.416	2.281	2.208	2.229	2.244	0.27%
		d_i	0.151	-0.330	0.027	0.013	0.007	
	3	y_i	2.415	2.271	2.102	2.078	2.073	0.46%
		d_i	0.188	-0.405	-0.078	0.004	0.006	
	5	y_i	2.417	2.272	2.024	1.948	1.914	0.26%
		d_i	0.115	-0.422	-0.184	-0.013	-0.001	
	8	y_i	2.418	2.275	1.991	1.878	1.819	0.27%
		d_i	0.063	-0.420	-0.241	-0.032	-0.011	
	100	y_i	2.419	2.275	1.969	1.807	1.692	0.46%
		d_i	0.041	-0.422	-0.284	-0.072	-0.023	
0.975	5	x_i	0	0.48	0.92	2.11	10	
	1	y_i	2.631	2.486	2.513	2.577	2.607	0.52%
		d_i	-0.344	-0.120	0.130	0.015	0.002	
	1.5	y_i	2.626	2.410	2.362	2.379	2.388	0.26%
		d_i	-0.082	-0.397	0.032	0.005	0.001	
	2	y_i	2.623	2.377	2.274	2.247	2.242	0.19%
		d_i	0.064	-0.550	-0.064	-0.002	0.000	
	3	y_i	2.621	2.352	2.181	2.092	2.070	0.45%
		d_i	0.158	-0.691	-0.203	-0.009	0.000	
	5	y_i	2.621	2.345	2.113	1.956	1.911	0.53%
		d_i	0.133	-0.767	-0.347	-0.022	-0.004	
	8	y_i	2.623	2.346	2.083	1.880	1.814	0.33%
		d_i	0.075	-0.786	-0.433	-0.035	-0.011	
	100	y_i	2.624	2.347	2.061	1.799	1.688	0.53%
		d_i	0.004	-0.794	-0.502	-0.069	-0.025	

0.975	7	x_i	0	0.27	0.82	1.79	10	
	1	y_i	2.690	2.547	2.535	2.585	2.611	0.59%
		d_i	-0.534	-0.383	0.127	0.013	0.004	
	1.5	y_i	2.688	2.497	2.369	2.382	2.388	0.35%
		d_i	-0.128	-0.788	0.035	0.002	-0.001	
	2	y_i	2.686	2.474	2.266	2.247	2.241	0.14%
		d_i	0.119	-1.009	-0.050	-0.004	-0.002	
	3	y_i	2.684	2.456	2.154	2.088	2.068	0.40%
		d_i	0.335	-1.205	-0.177	-0.012	-0.003	
	5	y_i	2.684	2.450	2.064	1.946	1.909	0.59%
		d_i	0.390	-1.296	-0.321	-0.020	-0.005	
	8	y_i	2.684	2.450	2.018	1.865	1.812	0.58%
		d_i	0.378	-1.320	-0.410	-0.029	-0.008	
	100	y_i	2.685	2.450	1.976	1.773	1.687	0.59%
		d_i	0.289	-1.312	-0.511	-0.053	-0.020	
0.975	20	x_i	0	0.18	0.45	1.21	10	
	1	y_i	2.651	2.502	2.539	2.599	2.610	0.38%
		d_i	-1.998	-0.108	0.220	0.007	0.002	
	1.5	y_i	2.651	2.420	2.364	2.385	2.388	0.51%
		d_i	-1.657	-0.799	0.075	0.004	0.001	
	2	y_i	2.651	2.373	2.251	2.244	2.242	0.47%
		d_i	-1.215	-1.291	-0.028	-0.001	-0.001	
	3	y_i	2.651	2.329	2.127	2.077	2.067	0.23%
		d_i	-0.738	-1.801	-0.186	-0.006	-0.002	
	5	y_i	2.651	2.300	2.024	1.927	1.907	0.34%
		d_i	-0.243	-2.223	-0.359	-0.012	-0.005	
	8	y_i	2.651	2.289	1.972	1.839	1.810	0.52%
		d_i	-0.086	-2.391	-0.486	-0.017	-0.006	
	100	y_i	2.651	2.287	1.923	1.733	1.687	0.52%
		d_i	-0.161	-2.444	-0.687	-0.029	-0.011	
0.99	4	x_i	0	0.82	1.55	3.02	10	
	1	y_i	3.654	3.205	3.155	3.211	3.250	0.56%
		d_i	-0.233	-0.409	0.084	0.014	0.000	
	1.5	y_i	3.641	3.080	2.858	2.823	2.826	0.13%
		d_i	0.058	-0.718	-0.077	0.002	0.002	
	2	y_i	3.637	3.041	2.707	2.598	2.580	0.51%
		d_i	0.141	-0.854	-0.209	-0.006	0.004	
	3	y_i	3.639	3.029	2.573	2.360	2.307	0.57%
		d_i	0.089	-0.942	-0.380	-0.025	-0.001	
	5	y_i	3.643	3.035	2.498	2.175	2.066	0.34%
		d_i	0.005	-0.974	-0.511	-0.064	-0.020	
	8	y_i	3.644	3.036	2.476	2.086	1.925	0.55%
		d_i	-0.015	-0.982	-0.557	-0.101	-0.037	
	100	y_i	3.643	3.031	2.464	2.016	1.740	0.57%
		d_i	0.001	-0.992	-0.575	-0.147	-0.039	

0.99	5	x_i	0	0.53	1.20	2.42	10	
	1	y_i d_i	3.758 -0.459	3.282 -0.761	3.166 0.098	3.219 0.015	3.255 0.002	0.68%
	1.5	y_i d_i	3.746 -0.001	3.172 -1.200	2.857 -0.083	2.822 -0.001	2.826 -0.002	0.23%
	2	y_i d_i	3.741 0.190	3.134 -1.397	2.694 -0.227	2.594 -0.009	2.577 -0.001	0.43%
	3	y_i d_i	3.740 0.208	3.116 -1.519	2.541 -0.421	2.349 -0.024	2.301 -0.003	0.67%
	5	y_i d_i	3.743 0.099	3.117 -1.553	2.442 -0.591	2.153 -0.053	2.060 -0.016	0.42%
	8	y_i d_i	3.745 0.038	3.121 -1.555	2.406 -0.668	2.057 -0.084	1.918 -0.030	0.56%
	100	y_i d_i	3.745 0.021	3.120 -1.562	2.386 -0.715	1.970 -0.137	1.727 -0.040	0.68%
0.99	7	x_i	0	0.33	0.88	1.96	10	
	1	y_i d_i	3.660 -0.770	3.253 -1.062	3.144 0.189	3.225 0.017	3.257 0.003	0.76%
	1.5	y_i d_i	3.653 -0.084	3.156 -1.719	2.826 -0.031	2.818 0.005	2.830 0.002	0.37%
	2	y_i d_i	3.649 0.258	3.121 -2.016	2.658 -0.203	2.582 -0.003	2.578 -0.001	0.24%
	3	y_i d_i	3.648 0.361	3.100 -2.203	2.496 -0.438	2.328 -0.014	2.299 -0.002	0.74%
	5	y_i d_i	3.648 0.299	3.097 -2.265	2.384 -0.656	2.120 -0.035	2.057 -0.009	0.70%
	8	y_i d_i	3.649 0.225	3.098 -2.271	2.336 -0.767	2.014 -0.058	1.914 -0.019	0.58%
	100	y_i d_i	3.650 0.177	3.098 -2.277	2.302 -0.852	1.908 -0.110	1.719 -0.035	0.73%
0.99	20	x_i	0	0.23	0.43	1.21	10	
	1	y_i d_i	3.395 -3.247	3.071 -0.119	3.127 0.422	3.242 0.010	3.260 0.004	0.78%
	1.5	y_i d_i	3.396 -2.398	2.861 -1.392	2.788 0.129	2.823 0.003	2.829 -0.001	0.98%
	2	y_i d_i	3.395 -1.793	2.764 -2.094	2.608 -0.110	2.579 -0.001	2.577 0.000	0.70%
	3	y_i d_i	3.394 -1.260	2.680 -2.756	2.430 -0.439	2.311 -0.008	2.298 -0.003	0.47%
	5	y_i d_i	3.393 -0.942	2.636 -3.197	2.304 -0.793	2.087 -0.019	2.055 -0.006	0.72%
	8	y_i d_i	3.393 -0.949	2.627 -3.341	2.250 -1.028	1.964 -0.032	1.912 -0.012	0.75%
	100	y_i d_i	3.394 -1.076	2.623 -3.430	2.203 -1.282	1.829 -0.073	1.711 -0.029	0.99%