

12-03. EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)

általános esetben

$\gamma=1.4$

$$M^* = M \cdot \left(\frac{2 + (\gamma - 1) \cdot M^2}{\gamma + 1} \right)^{-\frac{1}{2}}$$

$$M^* = M \cdot \left(\frac{30 + M^2}{6} \right)^{-\frac{1}{2}}$$

~~$$\frac{A}{A^*} = M \cdot \left(\frac{2 + (\gamma - 1) \cdot M^2}{\gamma + 1} \right)^{\frac{\gamma + 1}{2 \cdot (\gamma - 1)}}$$~~

$$\frac{A}{A^*} = M \cdot \left(\frac{30 + M^2}{6} \right)^3$$

$$\frac{p}{p_o} = \left(\frac{2 + (\gamma - 1) \cdot M^2}{2} \right)^{-\frac{\gamma}{\gamma - 1}}$$

$$\frac{p}{p_o} = \left(\frac{5 + M^2}{5} \right)^{-\frac{7}{2}}$$

$$\frac{\rho}{\rho_o} = \left(\frac{2 + (\gamma - 1) \cdot M^2}{2} \right)^{-\frac{1}{\gamma - 1}}$$

$$\frac{\rho}{\rho_o} = \left(\frac{5 + M^2}{5} \right)^{-\frac{5}{2}}$$

$$\frac{F}{F^*} =$$

$$\frac{F}{F^*} =$$

$$= \frac{1 + \gamma M^2}{M} \cdot \left[2(\gamma + 1) \cdot \left(\frac{2 + (\gamma - 1) \cdot M^2}{2} \right) \right]^{-\frac{1}{2}}$$

$$= \frac{10 + 14 \cdot M^2}{10 \cdot M} \cdot \left(\frac{120 + 24 \cdot M^2}{25} \right)^{-\frac{1}{2}}$$

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)							
M	M*	A/A*	p/p ₀	e/e ₀	T/T ₀	F/F*	(A/a*) ·(p/p ₀)
0	0	∞	1	1	1	∞	∞
0.01	0.01095	57.8738	0.99993	0.99995	0.99998	45.6495	57.8698
0.02	0.02191	28.9421	0.99972	0.99980	0.99992	22.8336	28.9340
0.03	0.03286	19.3005	0.99937	0.99955	0.99982	15.2323	19.2884
<u>0.04</u>	<u>0.04381</u>	<u>14.4815</u>	<u>0.99888</u>	<u>0.99920</u>	<u>0.99968</u>	<u>11.4346</u>	<u>14.4653</u>
0.05	0.05476	11.5914	0.99825	0.99875	0.99950	9.15837	11.5712
0.06	0.06570	9.66591	0.99748	0.99820	0.99928	7.64285	9.64159
0.07	0.07664	8.29152	0.99658	0.99755	0.99902	6.56202	8.26315
0.08	0.08758	7.26161	0.99553	0.99681	0.99872	5.75288	7.22917
<u>0.09</u>	<u>0.09851</u>	<u>6.46134</u>	<u>0.99435</u>	<u>0.99596</u>	<u>0.99838</u>	<u>5.12487</u>	<u>6.42484</u>
0.10	0.10944	5.82183	0.99303	0.99502	0.99800	4.62363	5.78126
0.11	0.12035	5.29923	0.99158	0.99398	0.99759	4.21461	5.25459
0.12	0.13126	4.86432	0.98999	0.99284	0.99713	3.87473	4.81560
0.13	0.14217	4.49686	0.98826	0.99160	0.99663	3.58805	4.44406
<u>0.14</u>	<u>0.15306</u>	<u>4.18240</u>	<u>0.98640</u>	<u>0.99027</u>	<u>0.99610</u>	<u>3.34317</u>	<u>4.12552</u>
0.15	0.16395	3.91034	0.98441	0.98884	0.99552	3.13172	3.84937
0.16	0.17482	3.67274	0.98228	0.98731	0.99491	2.94743	3.60767
0.17	0.18569	3.46351	0.98003	0.98569	0.99425	2.78551	3.39434
0.18	0.19654	3.27793	0.97765	0.98398	0.99356	2.64223	3.20465
<u>0.19</u>	<u>0.20739</u>	<u>3.11226</u>	<u>0.97514</u>	<u>0.98218</u>	<u>0.99283</u>	<u>2.51464</u>	<u>3.03487</u>
0.20	0.21822	2.96352	0.97250	0.98028	0.99206	2.40040	2.88201
0.21	0.22904	2.82929	0.96973	0.97829	0.99126	2.29758	2.74366
0.22	0.23984	2.70760	0.96684	0.97620	0.99041	2.20464	2.61783
0.23	0.25063	2.59681	0.96383	0.97403	0.98953	2.12029	2.50290
<u>0.24</u>	<u>0.26141</u>	<u>2.49556</u>	<u>0.96070</u>	<u>0.97177</u>	<u>0.98861</u>	<u>2.04344</u>	<u>2.39749</u>
0.25	0.27217	2.40271	0.95745	0.96942	0.98765	1.97320	2.30048
0.26	0.28291	2.31729	0.95408	0.96698	0.98666	1.90880	2.21089
0.27	0.29364	2.23847	0.95060	0.96446	0.98563	1.84960	2.12789
0.28	0.30435	2.16555	0.94700	0.96185	0.98456	1.79503	2.05078
<u>0.29</u>	<u>0.31504</u>	<u>2.09793</u>	<u>0.94329</u>	<u>0.95916</u>	<u>0.98346</u>	<u>1.74462</u>	<u>1.97896</u>
0.30	0.32572	2.03506	0.93947	0.95638	0.98232	1.69794	1.91188
0.31	0.33637	1.97651	0.93554	0.95352	0.98114	1.65464	1.84910
0.32	0.34701	1.92185	0.93150	0.95058	0.97993	1.61440	1.79021
0.33	0.35762	1.87074	0.92736	0.94756	0.97868	1.57693	1.73486
0.34	0.36822	1.82288	0.92312	0.94446	0.97740	1.54200	1.68273

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)							
M	M*	A/A*	p/p ₀	e/e ₀	T/T ₀	F/F*	(A/a*) ·(p/p ₀)
0.35	0.37879	1.77797	0.91877	0.94128	0.97609	1.50938	1.63355
0.36	0.38935	1.73578	0.91433	0.93803	0.97473	1.47888	1.58707
0.37	0.39988	1.69609	0.90979	0.93470	0.97335	1.45032	1.54308
0.38	0.41039	1.65870	0.90516	0.93130	0.97193	1.42356	1.50138
<u>0.39</u>	<u>0.42087</u>	<u>1.62343</u>	<u>0.90043</u>	<u>0.92782</u>	<u>0.97048</u>	<u>1.39845</u>	<u>1.46179</u>
0.40	0.43133	1.59014	0.89561	0.92427	0.96899	1.37487	1.42415
0.41	0.44177	1.55867	0.89071	0.92066	0.96747	1.35270	1.38833
0.42	0.45218	1.52891	0.88572	0.91697	0.96592	1.33185	1.35419
0.43	0.46257	1.50072	0.88065	0.91322	0.96434	1.31221	1.32161
<u>0.44</u>	<u>0.47293</u>	<u>1.47401</u>	<u>0.87550</u>	<u>0.90940</u>	<u>0.96272</u>	<u>1.29371</u>	<u>1.29049</u>
0.45	0.48326	1.44867	0.87027	0.90551	0.96108	1.27627	1.26073
0.46	0.49357	1.42463	0.86496	0.90157	0.95940	1.25981	1.23225
0.47	0.50385	1.40180	0.85958	0.89756	0.95769	1.24428	1.20496
0.48	0.51410	1.38010	0.85413	0.89349	0.95595	1.22962	1.17878
<u>0.49</u>	<u>0.52433</u>	<u>1.35947</u>	<u>0.84861</u>	<u>0.88936</u>	<u>0.95418</u>	<u>1.21577</u>	<u>1.15365</u>
0.50	0.53452	1.33984	0.84302	0.88517	0.95238	1.20268	1.12951
0.51	0.54469	1.32117	0.83737	0.88093	0.95055	1.19030	1.10630
0.52	0.55483	1.30339	0.83165	0.87663	0.94869	1.17860	1.08397
0.53	0.56493	1.28645	0.82588	0.87228	0.94681	1.16753	1.06246
<u>0.54</u>	<u>0.57501</u>	<u>1.27032</u>	<u>0.82005</u>	<u>0.86788</u>	<u>0.94489</u>	<u>1.15705</u>	<u>1.04173</u>
0.55	0.58506	1.25495	0.81417	0.86342	0.94295	1.14715	1.02174
0.56	0.59507	1.24029	0.80823	0.85892	0.94098	1.13777	1.00244
0.57	0.60505	1.22633	0.80224	0.85437	0.93898	1.12890	0.98381
0.58	0.61501	1.21301	0.79621	0.84978	0.93696	1.12050	0.96580
<u>0.59</u>	<u>0.62492</u>	<u>1.20031</u>	<u>0.79013</u>	<u>0.84514</u>	<u>0.93491</u>	<u>1.11256</u>	<u>0.94840</u>
0.60	0.63481	1.18820	0.78400	0.84045	0.93284	1.10504	0.93155
0.61	0.64466	1.17665	0.77784	0.83573	0.93073	1.09793	0.91525
0.62	0.65448	1.16565	0.77164	0.83096	0.92861	1.09120	0.89946
0.63	0.66427	1.15515	0.76540	0.82616	0.92646	1.08484	0.88416
<u>0.64</u>	<u>0.67402</u>	<u>1.14515</u>	<u>0.75913</u>	<u>0.82132</u>	<u>0.92428</u>	<u>1.07883</u>	<u>0.86932</u>
0.65	0.68374	1.13562	0.75283	0.81644	0.92208	1.07314	0.85493
0.66	0.69342	1.12654	0.74650	0.81153	0.91986	1.06777	0.84096
0.67	0.70307	1.11789	0.74014	0.80659	0.91762	1.06270	0.82739
0.68	0.71268	1.10965	0.73376	0.80162	0.91535	1.05792	0.81422
0.69	0.72225	1.10182	0.72735	0.79661	0.91306	1.05341	0.80141

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)							
M	M*	A/A*	p/p _o	ρ/ρ _o	T/T _o	F/F*	(A/a*) ·(p/p _o)
0.70	0.73179	1.09437	0.72093	0.79158	0.91075	1.04915	0.78896
0.71	0.74129	1.08729	0.71448	0.78652	0.90841	1.04514	0.77685
0.72	0.75076	1.08057	0.70803	0.78143	0.90606	1.04137	0.76507
0.73	0.76019	1.07419	0.70155	0.77632	0.90369	1.03783	0.75360
<u>0.74</u>	<u>0.76958</u>	<u>1.06814</u>	<u>0.69507</u>	<u>0.77119</u>	<u>0.90129</u>	<u>1.03449</u>	<u>0.74243</u>
0.75	0.77894	1.06242	0.68857	0.76604	0.89888	1.03137	0.73155
0.76	0.78825	1.05700	0.68207	0.76086	0.89644	1.02844	0.72095
0.77	0.79753	1.05188	0.67556	0.75567	0.89399	1.02570	0.71061
0.78	0.80677	1.04705	0.66905	0.75046	0.89152	1.02314	0.70053
<u>0.79</u>	<u>0.81597</u>	<u>1.04251</u>	<u>0.66254</u>	<u>0.74523</u>	<u>0.88903</u>	<u>1.02075</u>	<u>0.69070</u>
0.80	0.82514	1.03823	0.65602	0.73999	0.88652	1.01853	0.68110
0.81	0.83426	1.03422	0.64951	0.73474	0.88400	1.01646	0.67173
0.82	0.84335	1.03046	0.64300	0.72947	0.88146	1.01455	0.66259
0.83	0.85239	1.02696	0.63650	0.72419	0.87890	1.01278	0.65366
<u>0.84</u>	<u>0.86140</u>	<u>1.02370</u>	<u>0.63000</u>	<u>0.71891</u>	<u>0.87633</u>	<u>1.01115</u>	<u>0.64493</u>
0.85	0.87037	1.02067	0.62351	0.71361	0.87374	1.00965	0.63640
0.86	0.87929	1.01787	0.61703	0.70831	0.87114	1.00829	0.62806
0.87	0.88818	1.01530	0.61057	0.70300	0.86852	1.00704	0.61991
0.88	0.89703	1.01294	0.60412	0.69768	0.86589	1.00591	0.61194
<u>0.89</u>	<u>0.90583</u>	<u>1.01080</u>	<u>0.59768</u>	<u>0.69236</u>	<u>0.86324</u>	<u>1.00489</u>	<u>0.60413</u>
0.90	0.91460	1.00886	0.59126	0.68704	0.86059	1.00399	0.59650
0.91	0.92332	1.00713	0.58486	0.68172	0.85791	1.00318	0.58903
0.92	0.93201	1.00560	0.57848	0.67640	0.85523	1.00248	0.58171
0.93	0.94065	1.00426	0.57211	0.67108	0.85253	1.00187	0.57455
<u>0.94</u>	<u>0.94925</u>	<u>1.00311</u>	<u>0.56578</u>	<u>0.66576</u>	<u>0.84982</u>	<u>1.00136</u>	<u>0.56753</u>
0.95	0.95781	1.00214	0.55946	0.66044	0.84710	1.00093	0.56066
0.96	0.96633	1.00136	0.55317	0.65513	0.84437	1.00059	0.55392
0.97	0.97481	1.00076	0.54691	0.64982	0.84162	1.00033	0.54732
0.98	0.98325	1.00034	0.54067	0.64452	0.83887	1.00014	0.54085
<u>0.99</u>	<u>0.99165</u>	<u>1.00008</u>	<u>0.53446</u>	<u>0.63923</u>	<u>0.83611</u>	<u>1.00004</u>	<u>0.53451</u>
1.00	1.00000	1.00000	0.52828	0.63394	0.83333	1.00000	0.52828
1.01	1.00831	1.00008	0.52213	0.62866	0.83055	1.00003	0.52218
1.02	1.01658	1.00033	0.51602	0.62339	0.82776	1.00014	0.51619
1.03	1.02481	1.00074	0.50994	0.61813	0.82496	1.00030	0.51031
1.04	1.03300	1.00131	0.50389	0.61289	0.82215	1.00053	0.50454

EGYDIMENTZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)

M	M*	A/A*	p/p ₀	ρ/ρ ₀	T/T ₀	F/F*	(A/a*) .(p/p ₀)
1.05	1.04114	1.00203	0.49787	0.60765	0.81934	1.00081	0.49888
1.06	1.04925	1.00291	0.49189	0.60243	0.81651	1.00116	0.49332
1.07	1.05731	1.00394	0.48595	0.59723	0.81368	1.00155	0.48787
1.08	1.06533	1.00512	0.48005	0.59203	0.81085	1.00200	0.48251
<u>1.09</u>	<u>1.07331</u>	<u>1.00645</u>	<u>0.47418</u>	<u>0.58686</u>	<u>0.80800</u>	<u>1.00250</u>	<u>0.47724</u>
1.10	1.08124	1.00793	0.46835	0.58170	0.80515	1.00305	0.47207
1.11	1.08913	1.00955	0.46257	0.57655	0.80230	1.00365	0.46698
1.12	1.09698	1.01131	0.45682	0.57143	0.79944	1.00429	0.46199
1.13	1.10479	1.01322	0.45111	0.56632	0.79657	1.00497	0.45708
<u>1.14</u>	<u>1.11256</u>	<u>1.01527</u>	<u>0.44545</u>	<u>0.56123</u>	<u>0.79370</u>	<u>1.00569</u>	<u>0.45225</u>
1.15	1.12029	1.01745	0.43983	0.55616	0.79083	1.00646	0.44751
1.16	1.12797	1.01978	0.43425	0.55112	0.78795	1.00726	0.44284
1.17	1.13561	1.02224	0.42872	0.54609	0.78507	1.00810	0.43825
1.18	1.14321	1.02484	0.42323	0.54109	0.78218	1.00897	0.43374
<u>1.19</u>	<u>1.15077</u>	<u>1.02757</u>	<u>0.41778</u>	<u>0.53610</u>	<u>0.77929</u>	<u>1.00988</u>	<u>0.42930</u>
1.20	1.15828	1.03044	0.41238	0.53114	0.77640	1.01081	0.42493
1.21	1.16575	1.03344	0.40702	0.52621	0.77350	1.01178	0.42063
1.22	1.17318	1.03657	0.40171	0.52129	0.77061	1.01278	0.41640
1.23	1.18057	1.03983	0.39645	0.51640	0.76771	1.01381	0.41224
<u>1.24</u>	<u>1.18792</u>	<u>1.04323</u>	<u>0.39123</u>	<u>0.51154</u>	<u>0.76481</u>	<u>1.01486</u>	<u>0.40814</u>
1.25	1.19523	1.04675	0.38606	0.50670	0.76191	1.01594	0.40411
1.26	1.20249	1.05041	0.38093	0.50189	0.75900	1.01705	0.40014
1.27	1.20972	1.05419	0.37586	0.49710	0.75610	1.01818	0.39622
1.28	1.21690	1.05810	0.37083	0.49234	0.75319	1.01933	0.39237
<u>1.29</u>	<u>1.22404</u>	<u>1.06214</u>	<u>0.36585</u>	<u>0.48761</u>	<u>0.75029</u>	<u>1.02050</u>	<u>0.38858</u>
1.30	1.23114	1.06630	0.36091	0.48290	0.74738	1.02170	0.38484
1.31	1.23819	1.07060	0.35603	0.47823	0.74448	1.02291	0.38116
1.32	1.24521	1.07502	0.35119	0.47358	0.74158	1.02414	0.37754
1.33	1.25218	1.07956	0.34640	0.46895	0.73867	1.02539	0.37396
<u>1.34</u>	<u>1.25912</u>	<u>1.08424</u>	<u>0.34166</u>	<u>0.46436</u>	<u>0.73577</u>	<u>1.02666</u>	<u>0.37044</u>
1.35	1.26601	1.08904	0.33697	0.45980	0.73287	1.02795	0.36697
1.36	1.27286	1.09396	0.33233	0.45526	0.72997	1.02925	0.36355
1.37	1.27967	1.09901	0.32773	0.45076	0.72707	1.03056	0.36018
1.38	1.28645	1.10419	0.32319	0.44628	0.72418	1.03189	0.35686
1.39	1.29318	1.10950	0.31869	0.44184	0.72128	1.03323	0.35359

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)							
M	M*	A/A*	p/p _o	e/e _o	T/T _o	F/F*	(A/a*) .(p/p _o)
1.40	1.29987	1.11493	0.31424	0.43742	0.71839	1.03459	0.35036
1.41	1.30652	1.12048	0.30984	0.43304	0.71550	1.03596	0.34717
1.42	1.31313	1.12616	0.30549	0.42869	0.71262	1.03733	0.34403
1.43	1.31970	1.13197	0.30119	0.42436	0.70973	1.03872	0.34093
<u>1.44</u>	<u>1.32623</u>	<u>1.13790</u>	<u>0.29693</u>	<u>0.42007</u>	<u>0.70685</u>	<u>1.04012</u>	<u>0.33788</u>
1.45	1.33272	1.14396	0.29272	0.41581	0.70398	1.04153	0.33486
1.46	1.33917	1.15015	0.28856	0.41158	0.70111	1.04295	0.33189
1.47	1.34558	1.15646	0.28445	0.40739	0.69824	1.04438	0.32896
1.48	1.35195	1.16290	0.28039	0.40322	0.69537	1.04581	0.32606
<u>1.49</u>	<u>1.35828</u>	<u>1.16947</u>	<u>0.27637</u>	<u>0.39909</u>	<u>0.69251</u>	<u>1.04725</u>	<u>0.32321</u>
1.50	1.36458	1.17617	0.27240	0.39498	0.68966	1.04870	0.32039
1.51	1.37083	1.18299	0.26848	0.39091	0.68680	1.05016	0.31761
1.52	1.37705	1.18994	0.26461	0.38688	0.68396	1.05162	0.31487
1.53	1.38322	1.19702	0.26078	0.38287	0.68112	1.05309	0.31216
<u>1.54</u>	<u>1.38936</u>	<u>1.20423</u>	<u>0.25700</u>	<u>0.37890</u>	<u>0.67828</u>	<u>1.05456</u>	<u>0.30949</u>
1.55	1.39546	1.21157	0.25326	0.37496	0.67545	1.05604	0.30685
1.56	1.40152	1.21904	0.24957	0.37105	0.67262	1.05752	0.30424
1.57	1.40755	1.22664	0.24593	0.36717	0.66980	1.05900	0.30167
1.58	1.41353	1.23437	0.24233	0.36332	0.66699	1.06049	0.29913
<u>1.59</u>	<u>1.41948</u>	<u>1.24224</u>	<u>0.23878</u>	<u>0.35951</u>	<u>0.66418</u>	<u>1.06198</u>	<u>0.29662</u>
1.60	1.42539	1.25023	0.23527	0.35573	0.66138	1.06348	0.29414
1.61	1.43127	1.25836	0.23181	0.35198	0.65858	1.06497	0.29170
1.62	1.43710	1.26662	0.22839	0.34827	0.65579	1.06647	0.28928
1.63	1.44290	1.27502	0.22501	0.34458	0.65301	1.06797	0.28690
<u>1.64</u>	<u>1.44866</u>	<u>1.28355</u>	<u>0.22168</u>	<u>0.34093</u>	<u>0.65023</u>	<u>1.06948</u>	<u>0.28454</u>
1.65	1.45439	1.29222	0.21840	0.33731	0.64746	1.07098	0.28221
1.66	1.46008	1.30102	0.21515	0.33372	0.64470	1.07249	0.27991
1.67	1.46573	1.30996	0.21195	0.33017	0.64194	1.07399	0.27764
1.68	1.47135	1.31904	0.20879	0.32664	0.63919	1.07550	0.27540
<u>1.69</u>	<u>1.47693</u>	<u>1.32825</u>	<u>0.20567</u>	<u>0.32315</u>	<u>0.63645</u>	<u>1.07700</u>	<u>0.27318</u>
1.70	1.48247	1.33761	0.20259	0.31969	0.63371	1.07851	0.27099
1.71	1.48798	1.34710	0.19956	0.31626	0.63099	1.08002	0.26883
1.72	1.49345	1.35673	0.19656	0.31287	0.62827	1.08152	0.26669
1.73	1.49889	1.36651	0.19361	0.30950	0.62556	1.08302	0.26457
1.74	1.50429	1.37643	0.19070	0.30617	0.62285	1.08453	0.26248

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)							
M	M*	A/A*	p/p ₀	e/e ₀	T/T ₀	F/F*	(A/a*) ·(p/p ₀)
1.75	1.50966	1.38649	0.18782	0.30287	0.62016	1.08603	0.26042
1.76	1.51499	1.39670	0.18499	0.29960	0.61747	1.08753	0.25838
1.77	1.52029	1.40705	0.18220	0.29635	0.61479	1.08903	0.25636
1.78	1.52555	1.41754	0.17944	0.29315	0.61212	1.09053	0.25436
<u>1.79</u>	<u>1.53078</u>	<u>1.42819</u>	<u>0.17672</u>	<u>0.28997</u>	<u>0.60945</u>	<u>1.09202</u>	<u>0.25239</u>
1.80	1.53598	1.43898	0.17404	0.28682	0.60680	1.09351	0.25044
1.81	1.54114	1.44992	0.17140	0.28370	0.60415	1.09500	0.24851
1.82	1.54626	1.46101	0.16879	0.28061	0.60151	1.09649	0.24661
1.83	1.55136	1.47225	0.16622	0.27756	0.59888	1.09798	0.24472
<u>1.84</u>	<u>1.55642</u>	<u>1.48365</u>	<u>0.16369</u>	<u>0.27453</u>	<u>0.59626</u>	<u>1.09946</u>	<u>0.24286</u>
1.85	1.56144	1.49519	0.16120	0.27153	0.59365	1.10094	0.24102
1.86	1.56644	1.50689	0.15873	0.26857	0.59104	1.10241	0.23920
1.87	1.57140	1.51875	0.15631	0.26563	0.58845	1.10389	0.23739
1.88	1.57633	1.53076	0.15392	0.26272	0.58586	1.10536	0.23561
<u>1.89</u>	<u>1.58122</u>	<u>1.54293</u>	<u>0.15156</u>	<u>0.25984</u>	<u>0.58329</u>	<u>1.10682</u>	<u>0.23385</u>
1.90	1.58609	1.55525	0.14924	0.25699	0.58072	1.10829	0.23211
1.91	1.59092	1.56774	0.14695	0.25417	0.57816	1.10974	0.23038
1.92	1.59572	1.58039	0.14470	0.25138	0.57561	1.11120	0.22868
1.93	1.60049	1.59320	0.14247	0.24861	0.57307	1.11265	0.22699
<u>1.94</u>	<u>1.60522</u>	<u>1.60617</u>	<u>0.14028</u>	<u>0.24588</u>	<u>0.57054</u>	<u>1.11410</u>	<u>0.22532</u>
1.95	1.60993	1.61931	0.13813	0.24317	0.56802	1.11554	0.22367
1.96	1.61460	1.63261	0.13600	0.24049	0.56551	1.11698	0.22203
1.97	1.61925	1.64608	0.13390	0.23784	0.56301	1.11841	0.22042
1.98	1.62386	1.65971	0.13184	0.23521	0.56051	1.11984	0.21882
<u>1.99</u>	<u>1.62844</u>	<u>1.67352</u>	<u>0.12981</u>	<u>0.23262</u>	<u>0.55803</u>	<u>1.12126</u>	<u>0.21724</u>
2.00	1.63299	1.68750	0.12780	0.23005	0.55556	1.12268	0.21567
2.01	1.63751	1.70165	0.12583	0.22751	0.55309	1.12410	0.21412
2.02	1.64200	1.71597	0.12389	0.22499	0.55064	1.12551	0.21259
2.03	1.64647	1.73046	0.12197	0.22250	0.54819	1.12691	0.21107
<u>2.04</u>	<u>1.65090</u>	<u>1.74514</u>	<u>0.12009</u>	<u>0.22004</u>	<u>0.54576</u>	<u>1.12831</u>	<u>0.20957</u>
2.05	1.65530	1.75999	0.11823	0.21760	0.54333	1.12971	0.20808
2.06	1.65967	1.77501	0.11640	0.21519	0.54092	1.13110	0.20661
2.07	1.66401	1.79022	0.11460	0.21281	0.53851	1.13249	0.20516
2.08	1.66833	1.80561	0.11282	0.21045	0.53611	1.13387	0.20371
2.09	1.67261	1.82118	0.11107	0.20811	0.53373	1.13524	0.20229

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)

M	M*	A/A*	p/p ₀	e/e ₀	T/T ₀	F/F*	(A/a*) .(p/p ₀)
2.10	1.67687	1.83694	0.10935	0.20580	0.53135	1.13661	0.20088
2.11	1.68110	1.85288	0.10766	0.20352	0.52898	1.13797	0.19948
2.12	1.68530	1.86901	0.10599	0.20126	0.52663	1.13933	0.19809
2.13	1.68947	1.88533	0.10434	0.19902	0.52428	1.14069	0.19672
<u>2.14</u>	<u>1.69362</u>	<u>1.90184</u>	<u>0.10273</u>	<u>0.19681</u>	<u>0.52194</u>	<u>1.14204</u>	<u>0.19537</u>
2.15	1.69774	1.91854	0.10113	0.19463	0.51962	1.14338	0.19403
2.16	1.70182	1.93543	0.09956	0.19247	0.51730	1.14471	0.19270
2.17	1.70589	1.95252	0.09802	0.19033	0.51499	1.14605	0.19138
2.18	1.70992	1.96981	0.09650	0.18821	0.51269	1.14737	0.19008
<u>2.19</u>	<u>1.71393</u>	<u>1.98729</u>	<u>0.09500</u>	<u>0.18612</u>	<u>0.51041</u>	<u>1.14869</u>	<u>0.18879</u>
2.20	1.71791	2.00497	0.09352	0.18405	0.50813	1.15001	0.18751
2.21	1.72187	2.02286	0.09207	0.18200	0.50586	1.15132	0.18624
2.22	1.72579	2.04094	0.09064	0.17998	0.50361	1.15262	0.18499
2.23	1.72970	2.05923	0.08923	0.17798	0.50136	1.15392	0.18375
<u>2.24</u>	<u>1.73357</u>	<u>2.07773</u>	<u>0.08785</u>	<u>0.17600</u>	<u>0.49912</u>	<u>1.15521</u>	<u>0.18252</u>
2.25	1.73742	2.09643	0.08648	0.17404	0.49689	1.15649	0.18130
2.26	1.74125	2.11535	0.08514	0.17211	0.49468	1.15777	0.18010
2.27	1.74504	2.13447	0.08382	0.17020	0.49247	1.15905	0.17890
2.28	1.74882	2.15381	0.08252	0.16830	0.49027	1.16032	0.17772
<u>2.29</u>	<u>1.75256</u>	<u>2.17336</u>	<u>0.08123</u>	<u>0.16643</u>	<u>0.48809</u>	<u>1.16158</u>	<u>0.17655</u>
2.30	1.75629	2.19313	0.07997	0.16458	0.48591	1.16284	0.17539
2.31	1.75999	2.21311	0.07873	0.16275	0.48374	1.16409	0.17424
2.32	1.76366	2.23332	0.07751	0.16095	0.48158	1.16533	0.17310
2.33	1.76731	2.25375	0.07631	0.15916	0.47944	1.16657	0.17198
<u>2.34</u>	<u>1.77093</u>	<u>2.27440</u>	<u>0.07512</u>	<u>0.15739</u>	<u>0.47730</u>	<u>1.16780</u>	<u>0.17086</u>
2.35	1.77453	2.29527	0.07396	0.15564	0.47517	1.16903	0.16975
2.36	1.77811	2.31638	0.07281	0.15391	0.47306	1.17025	0.16866
2.37	1.78166	2.33771	0.07168	0.15221	0.47095	1.17147	0.16757
2.38	1.78519	2.35927	0.07057	0.15052	0.46885	1.17268	0.16649
<u>2.39</u>	<u>1.78869</u>	<u>2.38107</u>	<u>0.06948</u>	<u>0.14885</u>	<u>0.46676</u>	<u>1.17388</u>	<u>0.16543</u>
2.40	1.79218	2.40310	0.06840	0.14720	0.46468	1.17508	0.16437
2.41	1.79563	2.42536	0.06734	0.14556	0.46262	1.17627	0.16332
2.42	1.79907	2.44787	0.06630	0.14395	0.46056	1.17746	0.16229
2.43	1.80248	2.47061	0.06527	0.14235	0.45851	1.17864	0.16126
2.44	1.80587	2.49360	0.06426	0.14078	0.45647	1.17981	0.16024

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)

M	M*	A/A*	p/p ₀	e/e ₀	T/T ₀	F/F*	(A/a*) ·(p/p ₀)
2.45	1.80924	2.51683	0.06327	0.13922	0.45444	1.18098	0.15923
2.46	1.81258	2.54031	0.06229	0.13768	0.45242	1.18214	0.15823
2.47	1.81591	2.56403	0.06133	0.13615	0.45041	1.18330	0.15724
2.48	1.81921	2.58801	0.06038	0.13465	0.44841	1.18445	0.15626
<u>2.49</u>	<u>1.82248</u>	<u>2.61223</u>	<u>0.05945</u>	<u>0.13316</u>	<u>0.44643</u>	<u>1.18559</u>	<u>0.15529</u>
2.50	1.82574	2.63671	0.05853	0.13169	0.44444	1.18673	0.15432
2.51	1.82898	2.66145	0.05762	0.13023	0.44247	1.18787	0.15337
2.52	1.83219	2.68645	0.05674	0.12879	0.44051	1.18899	0.15242
2.53	1.83538	2.71170	0.05586	0.12737	0.43856	1.19011	0.15148
<u>2.54</u>	<u>1.83855</u>	<u>2.73722</u>	<u>0.05500</u>	<u>0.12597</u>	<u>0.43662</u>	<u>1.19123</u>	<u>0.15055</u>
2.55	1.84170	2.76301	0.05415	0.12458	0.43469	1.19234	0.14963
2.56	1.84483	2.78906	0.05332	0.12321	0.43277	1.19344	0.14871
2.57	1.84794	2.81538	0.05250	0.12185	0.43085	1.19454	0.14780
2.58	1.85103	2.84197	0.05169	0.12051	0.42895	1.19563	0.14691
<u>2.59</u>	<u>1.85410</u>	<u>2.86883</u>	<u>0.05090</u>	<u>0.11918</u>	<u>0.42706</u>	<u>1.19672</u>	<u>0.14602</u>
2.60	1.85714	2.89597	0.05012	0.11787	0.42517	1.19780	0.14513
2.61	1.86017	2.92339	0.04935	0.11658	0.42330	1.19888	0.14426
2.62	1.86318	2.95108	0.04859	0.11530	0.42143	1.19995	0.14339
2.63	1.86616	2.97906	0.04784	0.11403	0.41957	1.20101	0.14253
<u>2.64</u>	<u>1.86913</u>	<u>3.00733</u>	<u>0.04711</u>	<u>0.11278</u>	<u>0.41773</u>	<u>1.20207</u>	<u>0.14168</u>
2.65	1.87208	3.03588	0.04639	0.11154	0.41589	1.20312	0.14083
2.66	1.87501	3.06471	0.04568	0.11032	0.41406	1.20417	0.13999
2.67	1.87792	3.09384	0.04498	0.10911	0.41224	1.20521	0.13916
2.68	1.88081	3.12327	0.04429	0.10792	0.41043	1.20625	0.13834
<u>2.69</u>	<u>1.88368</u>	<u>3.15299</u>	<u>0.04362</u>	<u>0.10674</u>	<u>0.40863</u>	<u>1.20728</u>	<u>0.13752</u>
2.70	1.88653	3.18300	0.04295	0.10557	0.40684	1.20830	0.13671
2.71	1.88936	3.21332	0.04229	0.10442	0.40505	1.20932	0.13591
2.72	1.89218	3.24394	0.04165	0.10328	0.40328	1.21033	0.13511
2.73	1.89497	3.27487	0.04102	0.10215	0.40151	1.21134	0.13432
<u>2.74</u>	<u>1.89775</u>	<u>3.30611</u>	<u>0.04039</u>	<u>0.10104</u>	<u>0.39976</u>	<u>1.21235</u>	<u>0.13354</u>
2.75	1.90051	3.33765	0.03978	0.09994	0.39801	1.21334	0.13276
2.76	1.90325	3.36951	0.03917	0.09885	0.39627	1.21433	0.13199
2.77	1.90598	3.40168	0.03858	0.09778	0.39454	1.21532	0.13123
2.78	1.90868	3.43417	0.03799	0.09671	0.39282	1.21630	0.13047
2.79	1.91137	3.46698	0.03742	0.09566	0.39111	1.21728	0.12972

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)

M	M*	A/A*	p/p ₀	e/e ₀	T/T ₀	F/F*	(A/a*) ·(p/p ₀)
2.80	1.91404	3.50012	0.03685	0.09463	0.38941	1.21825	0.12897
2.81	1.91669	3.53357	0.03629	0.09360	0.38771	1.21921	0.12823
2.82	1.91933	3.56736	0.03574	0.09259	0.38603	1.22017	0.12750
2.83	1.92195	3.60148	0.03520	0.09159	0.38435	1.22113	0.12678
<u>2.84</u>	<u>1.92455</u>	<u>3.63593</u>	<u>0.03467</u>	<u>0.09059</u>	<u>0.38268</u>	<u>1.22208</u>	<u>0.12605</u>
2.85	1.92713	3.67071	0.03415	0.08962	0.38103	1.22302	0.12534
2.86	1.92970	3.70583	0.03363	0.08865	0.37937	1.22396	0.12463
2.87	1.93225	3.74130	0.03312	0.08769	0.37773	1.22489	0.12393
2.88	1.93479	3.77711	0.03263	0.08675	0.37610	1.22582	0.12323
<u>2.89</u>	<u>1.93731</u>	<u>3.81326</u>	<u>0.03213</u>	<u>0.08581</u>	<u>0.37447</u>	<u>1.22674</u>	<u>0.12254</u>
2.90	1.93981	3.84976	0.03165	0.08489	0.37286	1.22766	0.12185
2.91	1.94230	3.88661	0.03118	0.08398	0.37125	1.22858	0.12117
2.92	1.94477	3.92382	0.03071	0.08308	0.36965	1.22948	0.12049
2.93	1.94722	3.96139	0.03025	0.08218	0.36806	1.23039	0.11982
<u>2.94</u>	<u>1.94966</u>	<u>3.99931</u>	<u>0.02980</u>	<u>0.08130</u>	<u>0.36647</u>	<u>1.23128</u>	<u>0.11916</u>
2.95	1.95208	4.03760	0.02935	0.08043	0.36490	1.23218	0.11850
2.96	1.95449	4.07625	0.02891	0.07957	0.36333	1.23307	0.11785
2.97	1.95688	4.11527	0.02848	0.07872	0.36177	1.23395	0.11720
2.98	1.95925	4.15466	0.02805	0.07788	0.36022	1.23483	0.11655
<u>2.99</u>	<u>1.96161</u>	<u>4.19442</u>	<u>0.02764</u>	<u>0.07705</u>	<u>0.35868</u>	<u>1.23570</u>	<u>0.11591</u>
3.00	1.96396	4.23456	0.02722	0.07623	0.35714	1.23657	0.11528
3.10	1.98661	4.65731	0.02345	0.06852	0.34223	1.24499	0.10921
3.20	2.00786	5.12096	0.02023	0.06165	0.32808	1.25295	0.10359
3.30	2.02781	5.62865	0.01748	0.05554	0.31466	1.26048	0.09837
<u>3.40</u>	<u>2.04656</u>	<u>6.18370</u>	<u>0.01512</u>	<u>0.05009</u>	<u>0.30193</u>	<u>1.26759</u>	<u>0.09353</u>
3.50	2.06419	6.78962	0.01311	0.04523	0.28986	1.27432	0.08902
3.60	2.08077	7.45011	0.01138	0.04089	0.27840	1.28068	0.08482
3.70	2.09639	8.16906	990E-05	0.03702	0.26752	1.28670	0.08090
3.80	2.11111	8.95058	863E-05	0.03355	0.25720	1.29240	0.07723
<u>3.90</u>	<u>2.12499</u>	<u>9.79897</u>	<u>753E-05</u>	<u>0.03044</u>	<u>0.24740</u>	<u>1.29779</u>	<u>0.07381</u>
4.00	2.13809	10.7187	659E-05	0.02766	0.23810	1.30290	0.07059
4.10	2.15046	11.7146	577E-05	0.02516	0.22925	1.30774	0.06758
4.20	2.16215	12.7916	506E-05	0.02292	0.22085	1.31233	0.06475
4.30	2.17321	13.9549	445E-05	0.02090	0.21286	1.31668	0.06209
4.40	2.18368	15.2099	392E-05	0.01909	0.20525	1.32081	0.05959

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.4$)							
M	M*	A/A*	p/p ₀	ρ/ρ ₀	T/T ₀	F/F*	(A/a*) (p/p ₀)
4.50	2.19360	16.5622	346E-05	0.01745	0.19802	1.32474	0.05723
4.60	2.20300	18.0178	305E-05	0.01597	0.19113	1.32846	0.05500
4.70	2.21192	19.5828	270E-05	0.01464	0.18457	1.33201	0.05290
4.80	2.22038	21.2637	239E-05	0.01343	0.17832	1.33538	0.05091
<u>4.90</u>	<u>2.22842</u>	<u>23.0671</u>	<u>213E-05</u>	<u>0.01233</u>	<u>0.17235</u>	<u>1.33859</u>	<u>0.04903</u>
5.00	2.23607	25.0000	189E-05	0.01134	0.16667	1.34164	0.04725
6.00	2.29528	53.1798	633E-06	519E-05	0.12195	1.36548	0.03368
7.00	2.33333	104.143	242E-06	261E-05	0.09259	1.38095	0.02516
8.00	2.35907	190.109	102E-06	141E-05	0.07246	1.39148	0.01947
<u>9.00</u>	<u>2.37722</u>	<u>327.189</u>	<u>474E-07</u>	<u>815E-06</u>	<u>0.05814</u>	<u>1.39894</u>	<u>0.01550</u>
10.00	2.39046	535.938	236E-07	495E-06	0.04762	1.40439	0.01263
∞	2.4495	∞	0	0	0	1.4289	0

12-04. EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=1.67$)

általános esetben

$$\gamma = \frac{5}{3} = 1.67$$

$$M^* = M \cdot \left(\frac{2 + (\gamma - 1) \cdot M^2}{\gamma + 1} \right)^{-\frac{1}{2}}$$

$$M^* = M \cdot \left(\frac{3 + M^2}{4} \right)^{-\frac{1}{2}}$$

$$\frac{A}{A^*} = M \cdot \left(\frac{2 + (\gamma - 1) \cdot M^2}{\gamma + 1} \right)^{\frac{\gamma + 1}{2 \cdot (\gamma - 1)}}$$

$$\frac{A}{A^*} = M \cdot \left(\frac{3 + M^2}{4} \right)^2$$

$$\frac{p}{p_0} = \left(\frac{2 + (\gamma - 1) \cdot M^2}{2} \right)^{-\frac{\gamma}{\gamma - 1}}$$

$$\frac{p}{p_0} = \left(\frac{3 + M^2}{3} \right)^{-\frac{5}{2}}$$

$$\frac{\rho}{\rho_0} = \left(\frac{2 + (\gamma - 1) \cdot M^2}{2} \right)^{-\frac{1}{\gamma - 1}}$$

$$\frac{\rho}{\rho_0} = \left(\frac{3 + M^2}{3} \right)^{-\frac{3}{2}}$$

$$\frac{F}{F^*} =$$

$$\frac{F}{F^*} =$$

$$= \frac{1 + \gamma M^2}{M} \cdot \left[2(\gamma + 1) \cdot \left(\frac{2 + (\gamma - 1) \cdot M^2}{2} \right) \right]^{-\frac{1}{2}}$$

$$= \frac{3 + 5 \cdot M^2}{3 \cdot M} \cdot \left(\frac{48 + 16 \cdot M^2}{9} \right)^{-\frac{1}{2}}$$

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=5/3 \approx 1.67$)							
M	M*	A/A*	p/p ₀	ρ/ρ ₀	T/T ₀	F/F*	(A/a*) ·(p/p ₀)
0	0	∞	1	1	1	0	∞
0.05	0.05775	11.2649	0.99792	0.99875	0.99916	8.68734	11.2414
0.10	0.11535	5.66067	0.99170	0.99502	0.99666	4.39234	5.61368
0.15	0.17266	3.80523	0.98146	0.98885	0.99252	2.98213	3.73467
<u>0.20</u>	<u>0.22955</u>	<u>2.88710</u>	<u>0.96737</u>	<u>0.98033</u>	<u>0.98678</u>	<u>2.29294</u>	<u>2.79289</u>
0.25	0.28588	2.34404	0.94966	0.96955	0.97949	1.89194	2.22605
0.30	0.34152	1.98864	0.92864	0.95663	0.97073	1.63482	1.84673
0.35	0.39635	1.74064	0.90462	0.94174	0.96058	1.45969	1.57461
0.40	0.45026	1.55990	0.87797	0.92503	0.94913	1.33560	1.36954
<u>0.45</u>	<u>0.50315</u>	<u>1.42416</u>	<u>0.84908</u>	<u>0.90668</u>	<u>0.93647</u>	<u>1.24531</u>	<u>1.20923</u>
0.50	0.55494	1.32008	0.81835	0.88688	0.92272	1.17847	1.08029
0.55	0.60554	1.23919	0.78616	0.86583	0.90799	1.12848	0.97421
0.60	0.65489	1.17586	0.75291	0.84371	0.89238	1.09093	0.88531
0.65	0.70292	1.12619	0.71896	0.82072	0.87601	1.06278	0.80968
<u>0.70</u>	<u>0.74961</u>	<u>1.08743</u>	<u>0.68465</u>	<u>0.79704</u>	<u>0.85900</u>	<u>1.04182</u>	<u>0.74451</u>
0.75	0.79490	1.05756	0.65031	0.77285	0.84144	1.02646	0.68774
0.80	0.83878	1.03509	0.61620	0.74832	0.82345	1.01549	0.63783
0.85	0.88124	1.01888	0.58259	0.72360	0.80513	1.00800	0.59359
0.90	0.92225	1.00805	0.54969	0.69884	0.78657	1.00328	0.55411
<u>0.95</u>	<u>0.96184</u>	<u>1.00194</u>	<u>0.51766</u>	<u>0.67417</u>	<u>0.76785</u>	<u>1.00076</u>	<u>0.51867</u>
1.00	1.00000	1.00000	0.48667	0.64970	0.74906	1.00000	0.48667
1.05	1.03675	1.00181	0.45682	0.62554	0.73028	1.00065	0.45765
1.10	1.07211	1.00704	0.42820	0.60176	0.71157	1.00243	0.43121
1.15	1.10611	1.01541	0.40086	0.57846	0.69298	1.00509	0.40704
<u>1.20</u>	<u>1.13878</u>	<u>1.02671</u>	<u>0.37485</u>	<u>0.55568</u>	<u>0.67458</u>	<u>1.00846</u>	<u>0.38487</u>
1.25	1.17014	1.04076	0.35019	0.53349	0.65641	1.01237	0.36446
1.30	1.20024	1.05741	0.32687	0.51192	0.63851	1.01670	0.34563
1.35	1.22910	1.07656	0.30487	0.49101	0.62091	1.02135	0.32821
1.40	1.25678	1.09811	0.28418	0.47077	0.60365	1.02623	0.31206
<u>1.45</u>	<u>1.28331</u>	<u>1.12199</u>	<u>0.26475</u>	<u>0.45123</u>	<u>0.58674</u>	<u>1.03127</u>	<u>0.29705</u>
1.50	1.30872	1.14815	0.24655	0.43238	0.57021	1.03641	0.28307
1.55	1.33307	1.17653	0.22952	0.41424	0.55407	1.04161	0.27004
1.60	1.35639	1.20712	0.21361	0.39681	0.53833	1.04682	0.25786
1.65	1.37872	1.23989	0.19877	0.38006	0.52300	1.05202	0.24646
1.70	1.40010	1.27481	0.18495	0.36401	0.50809	1.05717	0.23577

EGYDIMENZIÓS IZENTRÓPIKUS GÁZTÁBLÁZAT. ($\gamma=5/3 \approx 1.67$)							
M	M*	A/A*	p/p ₀	ρ/ρ ₀	T/T ₀	F/F*	(A/A*)·(p/p ₀)
1.75	1.42058	1.31190	0.17208	0.34862	0.49360	1.06226	0.22575
1.80	1.44019	1.35113	0.16011	0.33389	0.47952	1.06727	0.21633
1.85	1.45896	1.39253	0.14898	0.31979	0.46587	1.07219	0.20746
1.90	1.47694	1.43608	0.13865	0.30632	0.45262	1.07701	0.19911
<u>1.95</u>	<u>1.49415</u>	<u>1.48182</u>	<u>0.12905</u>	<u>0.29344</u>	<u>0.43979</u>	<u>1.08171</u>	<u>0.19123</u>
2.00	1.51065	1.52975	0.12015	0.28115	0.42735	1.08631	0.18380
2.05	1.52644	1.57989	0.11189	0.26941	0.41531	1.09078	0.17677
2.10	1.54158	1.63226	0.10423	0.25820	0.40366	1.09513	0.17012
2.15	1.55609	1.68688	0.09712	0.24751	0.39238	1.09936	0.16383
<u>2.20</u>	<u>1.56999</u>	<u>1.74379</u>	<u>0.09053</u>	<u>0.23731</u>	<u>0.38148</u>	<u>1.10347</u>	<u>0.15786</u>
2.25	1.58332	1.80300	0.08442	0.22759	0.37093	1.10745	0.15221
2.30	1.59610	1.86455	0.07875	0.21831	0.36073	1.11131	0.14684
2.35	1.60836	1.92847	0.07350	0.20947	0.35087	1.11506	0.14174
2.40	1.62012	1.99478	0.06862	0.20103	0.34134	1.11868	0.13689
<u>2.45</u>	<u>1.63141</u>	<u>2.06353</u>	<u>0.06410</u>	<u>0.19299</u>	<u>0.33213</u>	<u>1.12219</u>	<u>0.13227</u>
2.50	1.64225	2.13473	0.05990	0.18532	0.32323	1.12558	0.12788
2.55	1.65265	2.20844	0.05601	0.17801	0.31463	1.12887	0.12369
2.60	1.66264	2.28468	0.05239	0.17104	0.30632	1.13205	0.11970
2.65	1.67224	2.36349	0.04903	0.16438	0.29828	1.13512	0.11589
<u>2.70</u>	<u>1.68147</u>	<u>2.44491</u>	<u>0.04591</u>	<u>0.15804</u>	<u>0.29052</u>	<u>1.13809</u>	<u>0.11225</u>
2.75	1.69034	2.52898	0.04301	0.15198	0.28301	1.14097	0.10878
2.80	1.69887	2.61572	0.04032	0.14620	0.27576	1.14375	0.10546
2.85	1.70708	2.70519	0.03781	0.14069	0.26874	1.14644	0.10228
2.90	1.71497	2.79742	0.03548	0.13543	0.26196	1.14904	0.09924
<u>2.95</u>	<u>1.72257</u>	<u>2.89245</u>	<u>0.03330</u>	<u>0.13040</u>	<u>0.25541</u>	<u>1.15155</u>	<u>0.09633</u>
3.00	1.72989	2.99032	0.03128	0.12560	0.24907	1.15398	0.09354
3.50	1.79005	4.13430	0.01720	0.08779	0.19593	1.17435	0.07111
4.00	1.83262	5.60831	994E-05	0.06321	0.15723	1.18914	0.05574
4.50	1.86363	7.45570	601E-05	0.04676	0.12847	1.20011	0.04479
<u>5.00</u>	<u>1.88680</u>	<u>9.72060</u>	<u>378E-05</u>	<u>0.03542</u>	<u>0.10667</u>	<u>1.20840</u>	<u>0.03673</u>
6.00	1.91832	15.6813	165E-05	0.02160	0.07657	1.21980	0.02593
7.00	1.93810	23.8486	807E-06	0.01406	0.05742	1.22704	0.01925
8.00	1.95128	34.5818	429E-06	963E-05	0.04456	1.23188	0.01484
9.00	1.96047	48.2403	244E-06	687E-05	0.03554	1.23527	0.01178
<u>10.00</u>	<u>1.96712</u>	<u>65.1833</u>	<u>147E-06</u>	<u>507E-05</u>	<u>0.02899</u>	<u>1.23774</u>	<u>0.00958</u>
∞	1.996	∞	0	0	0	1.249	0