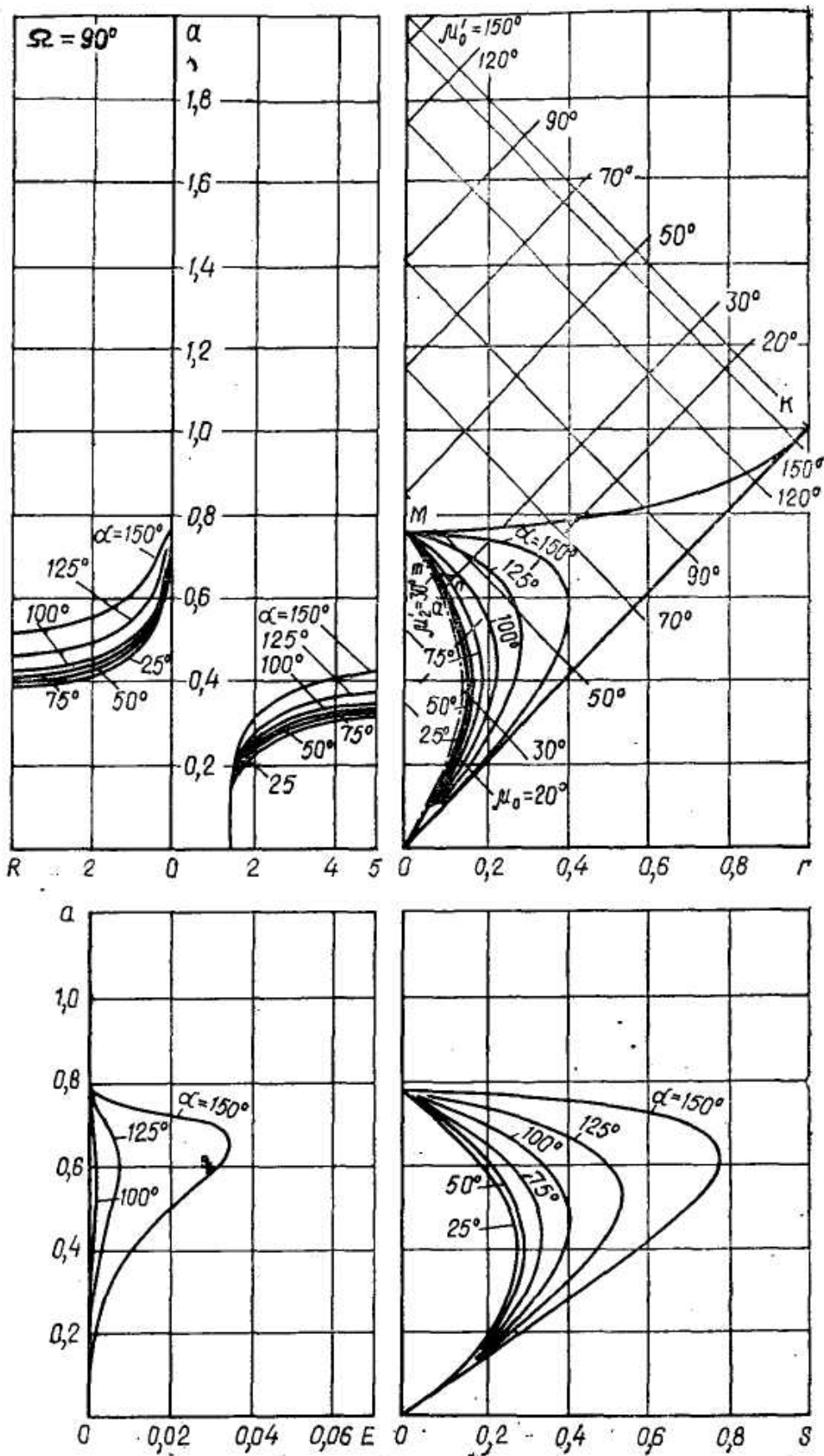
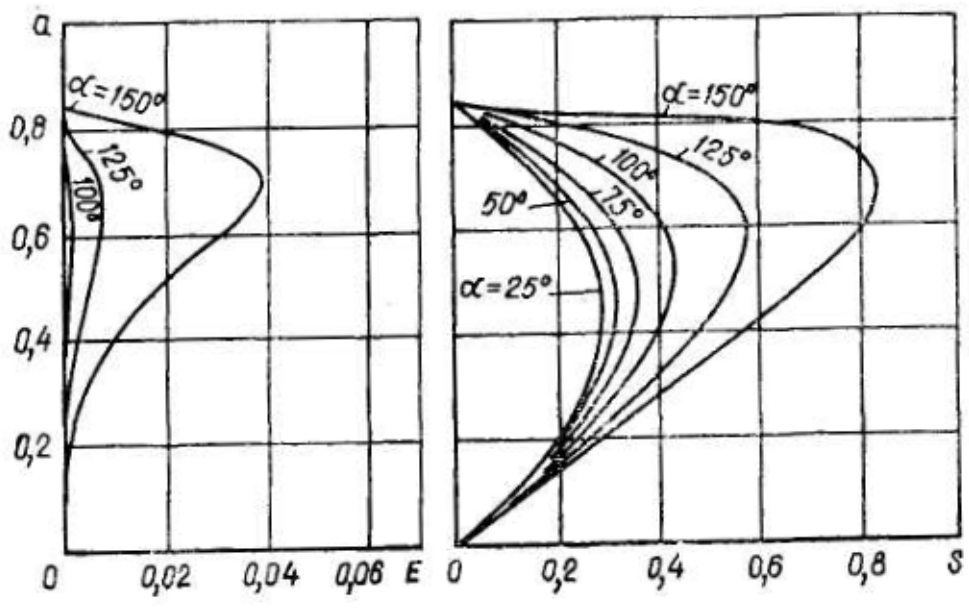
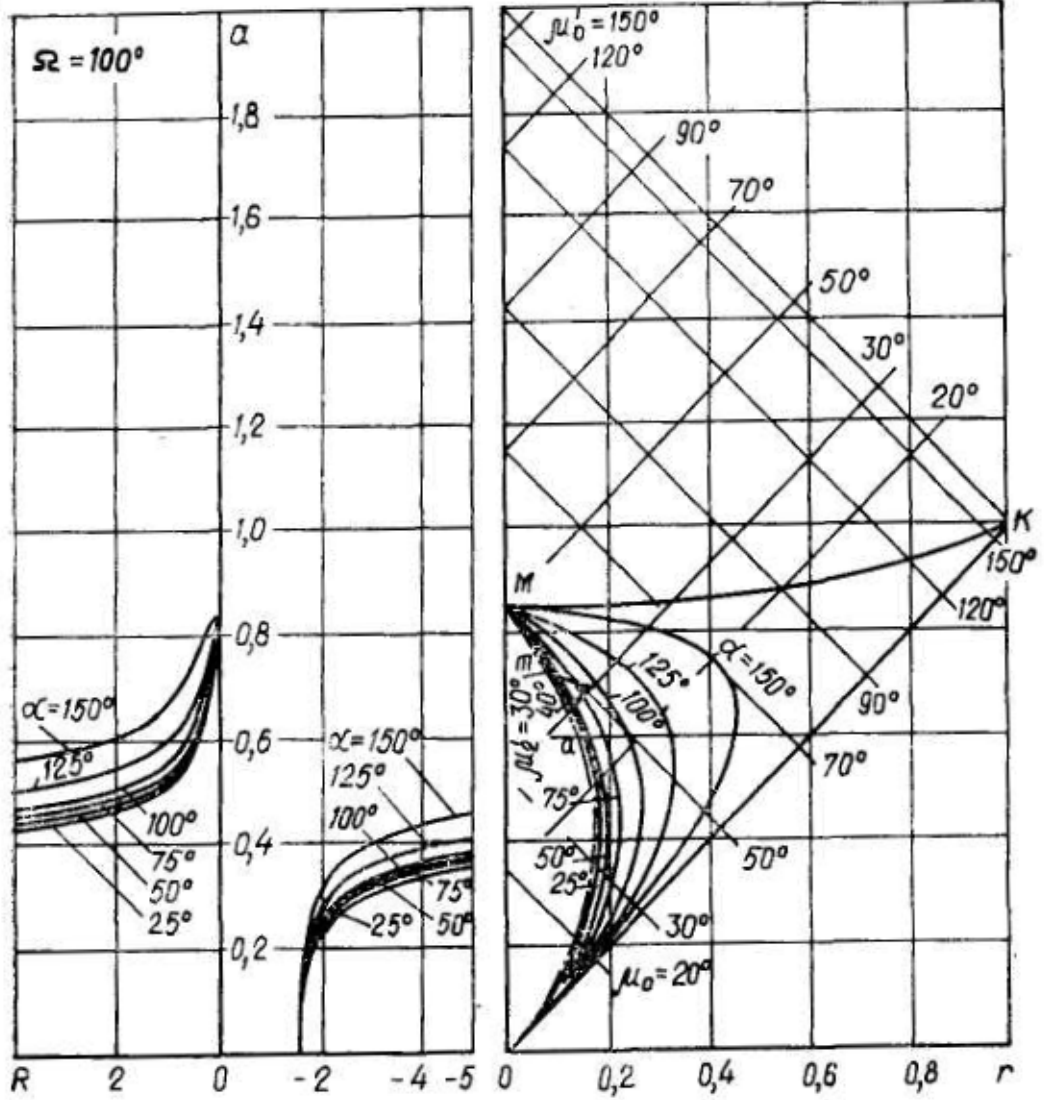


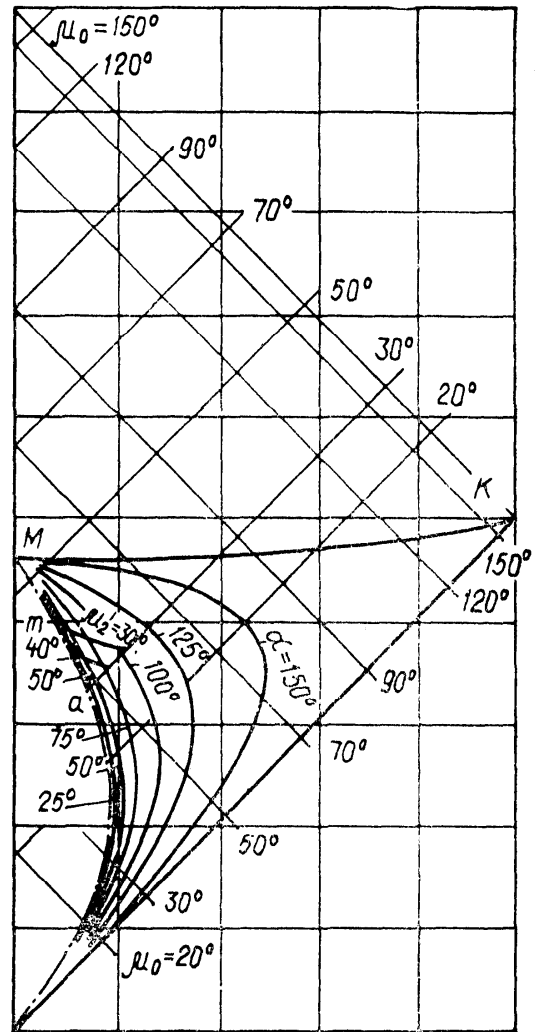
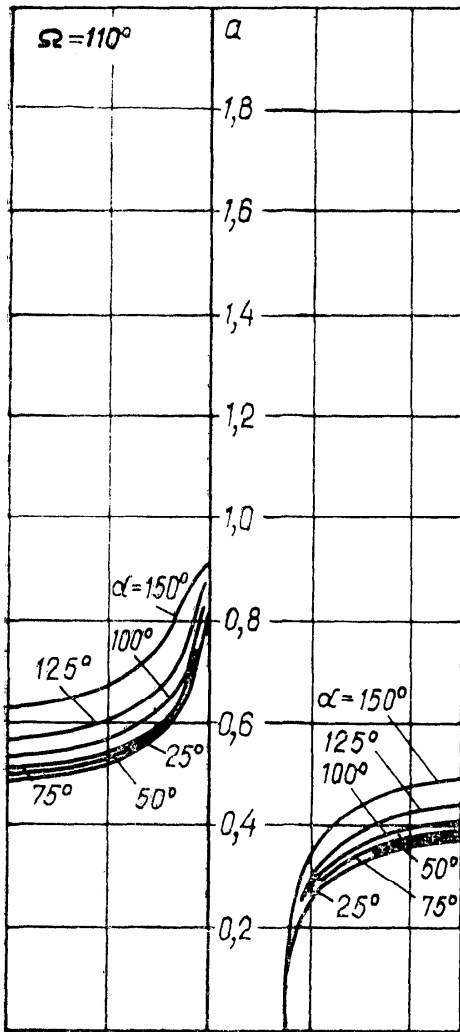
Додатки

Додаток 1

Довідкові карти для попереднього синтезу ЛМЧ

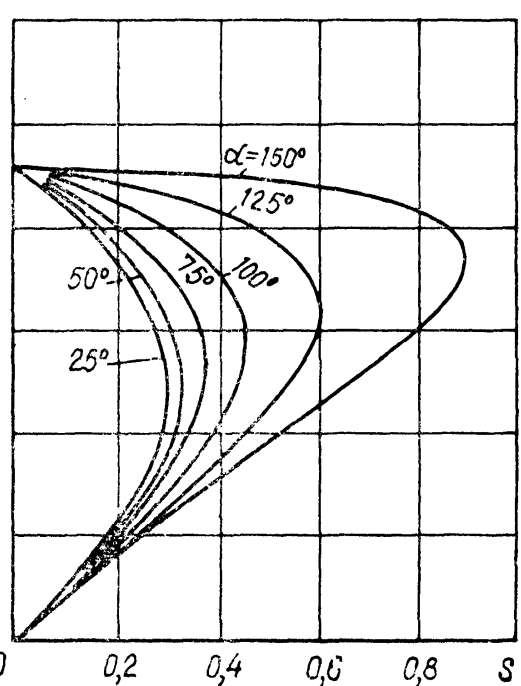
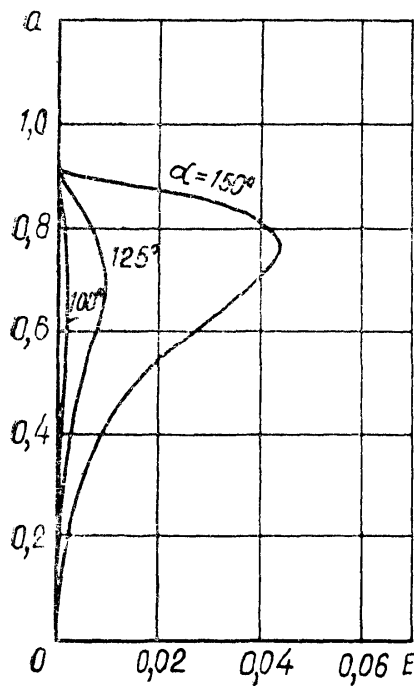






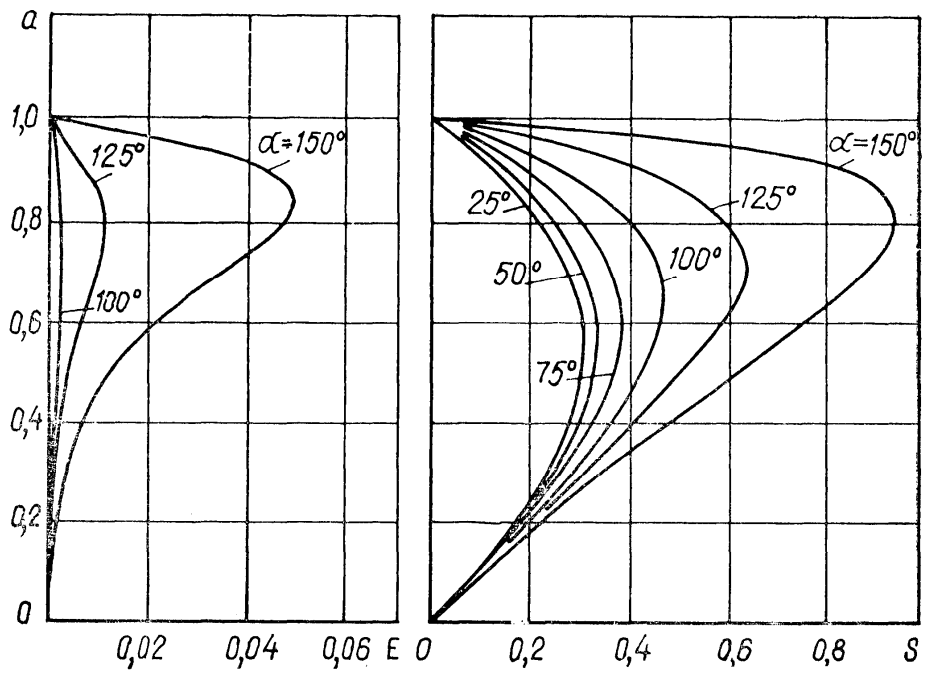
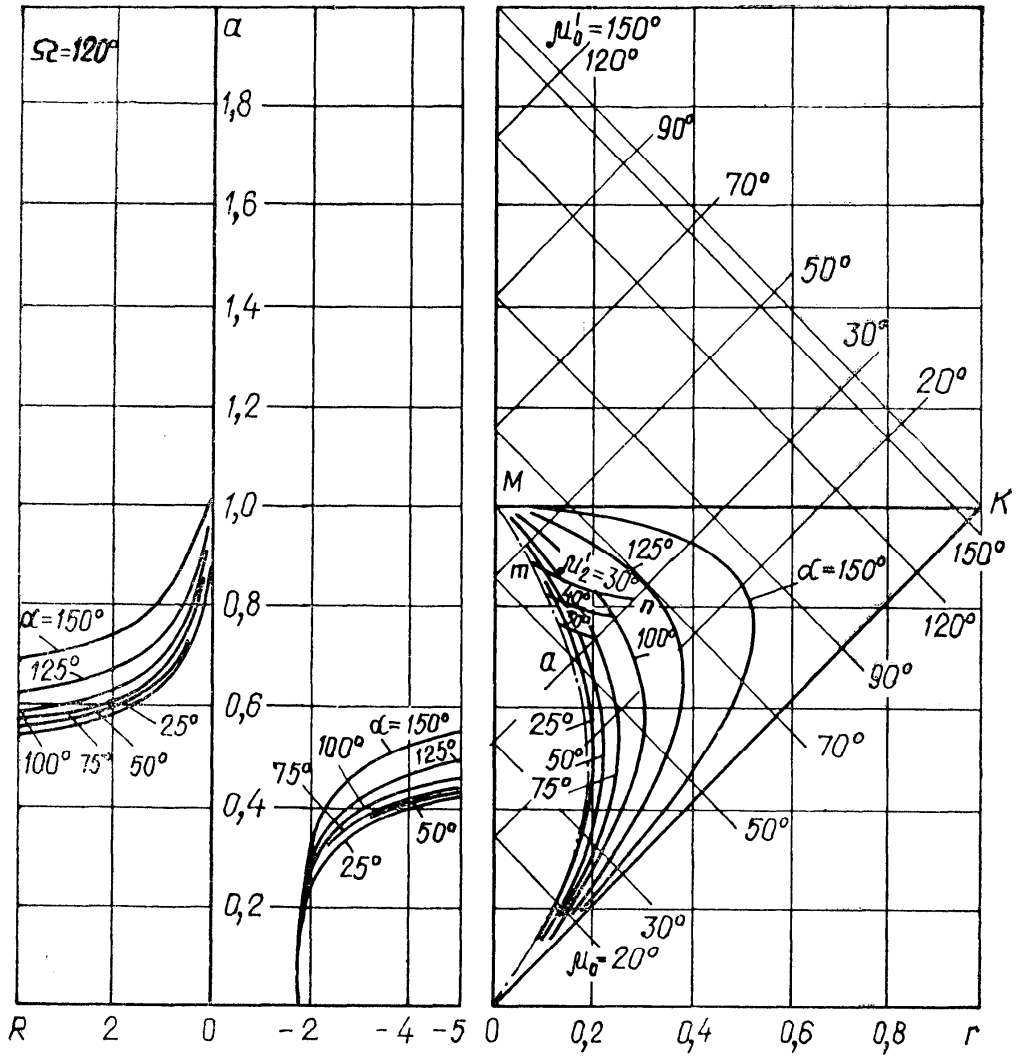
R 2 0 -2 -4 -5.0

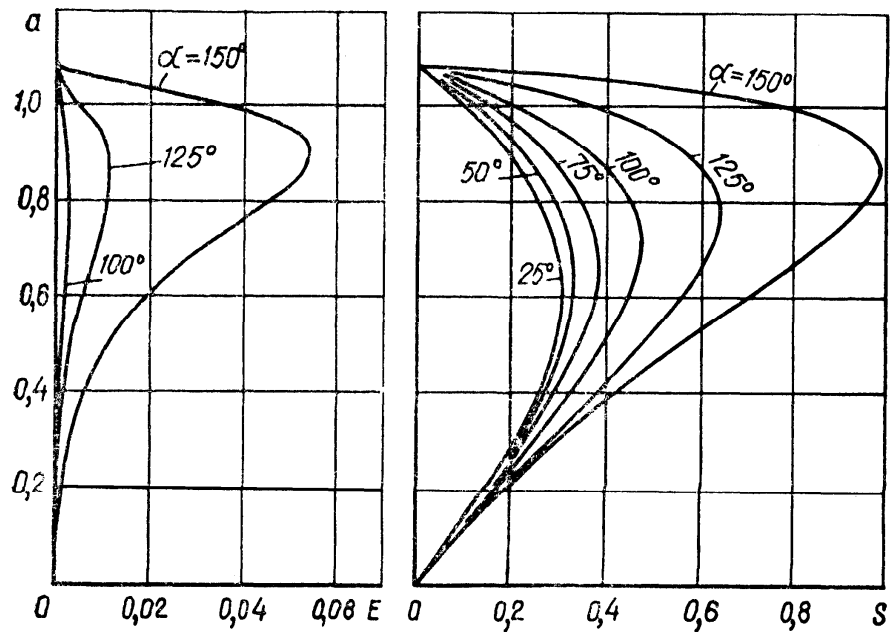
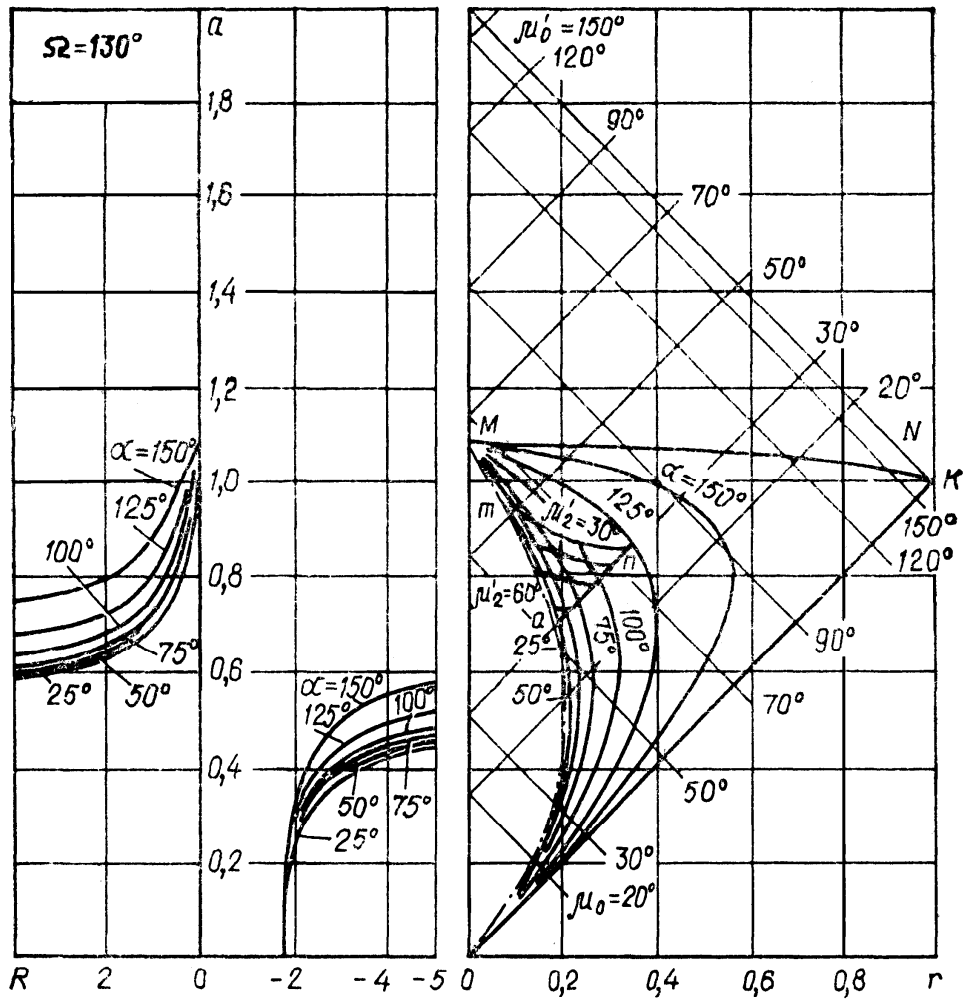
0.2 0.4 0.6 0.8 r

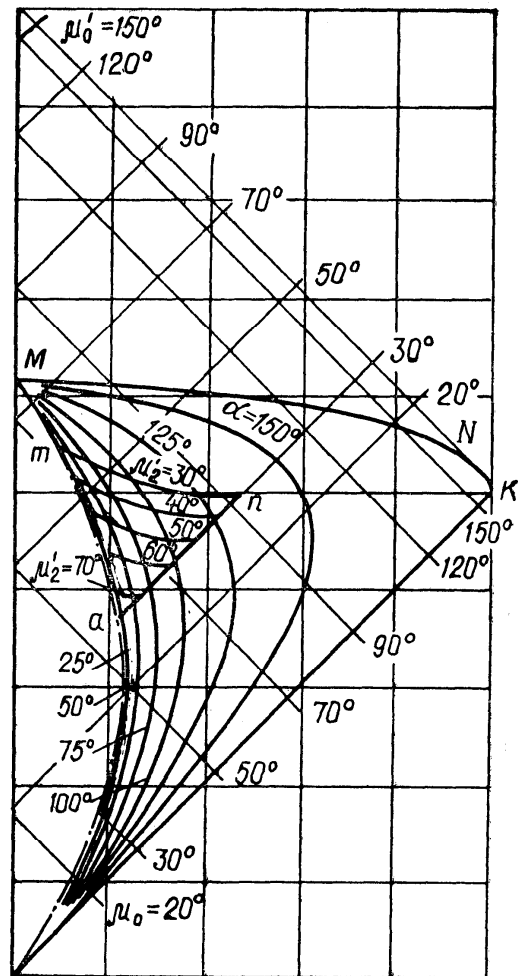
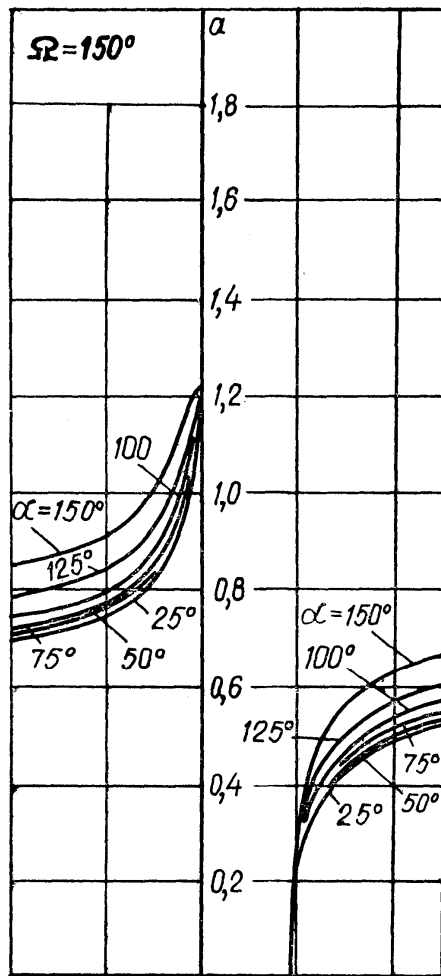


0 0.02 0.04 0.06 E 0

0.2 0.4 0.6 0.8 s

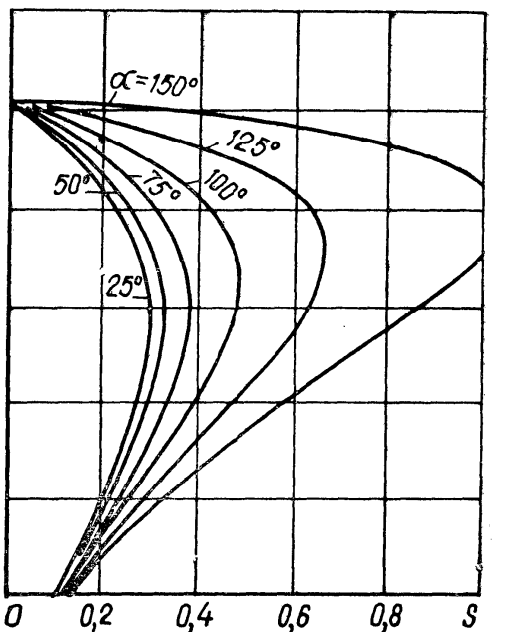
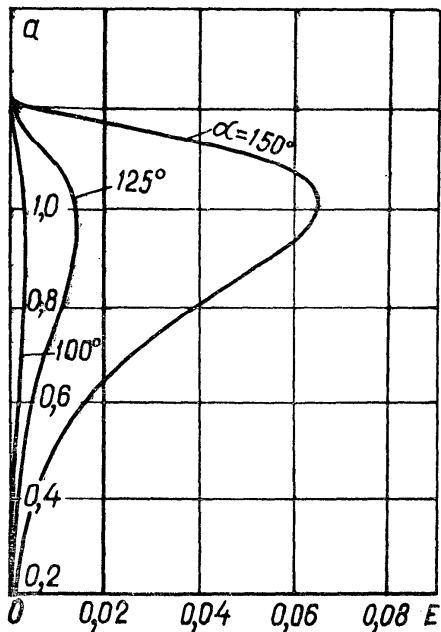






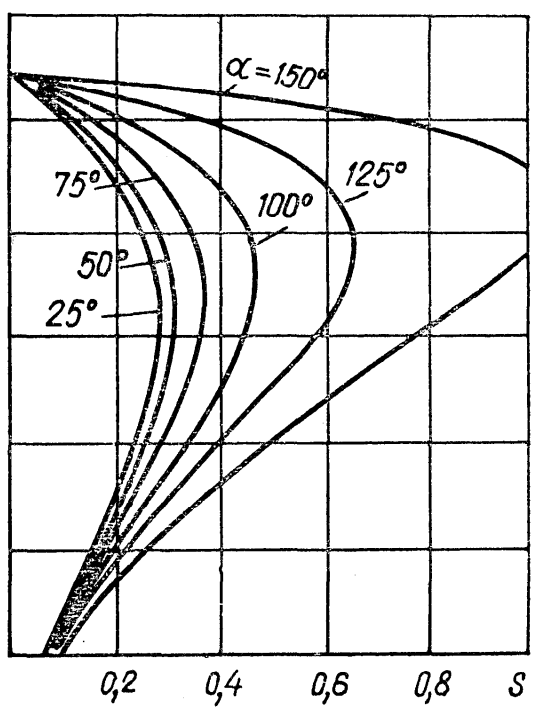
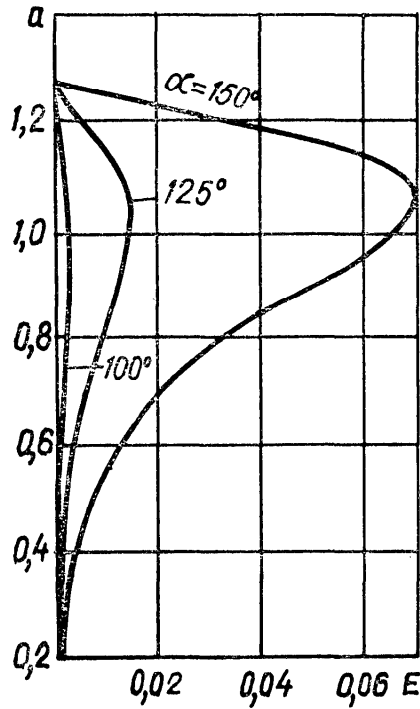
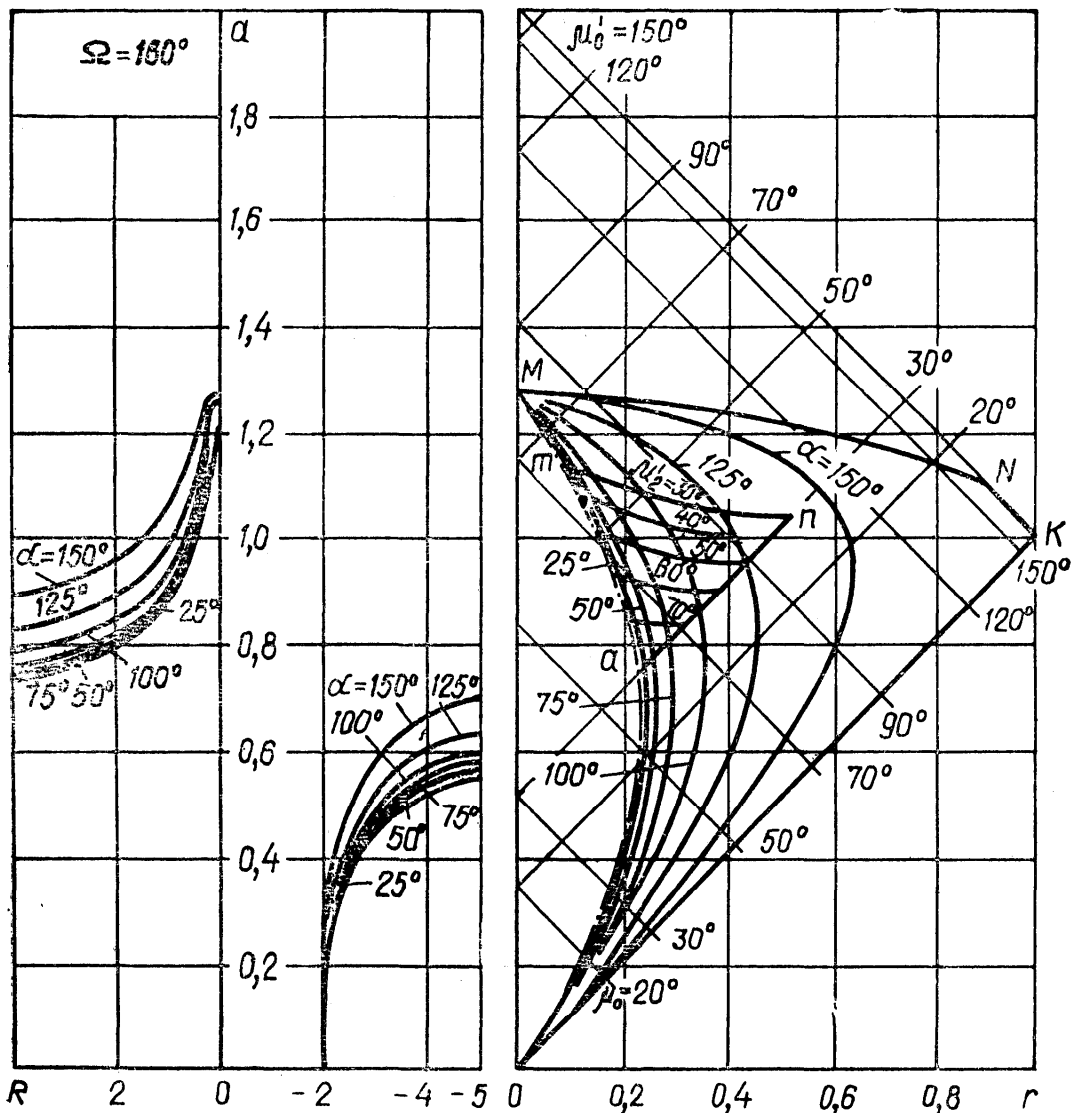
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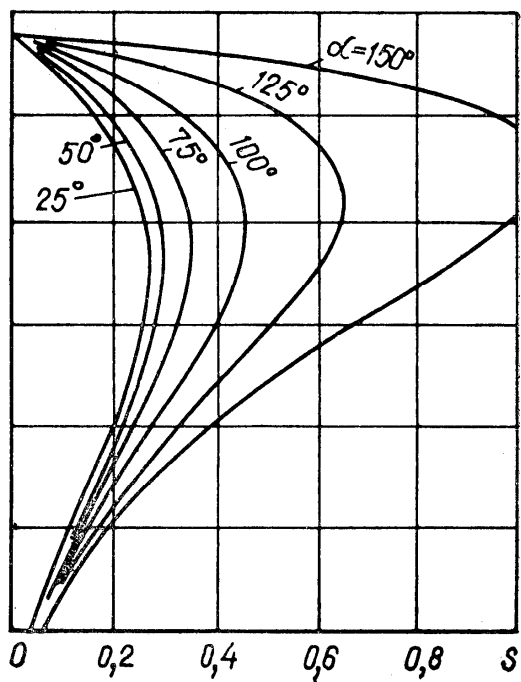
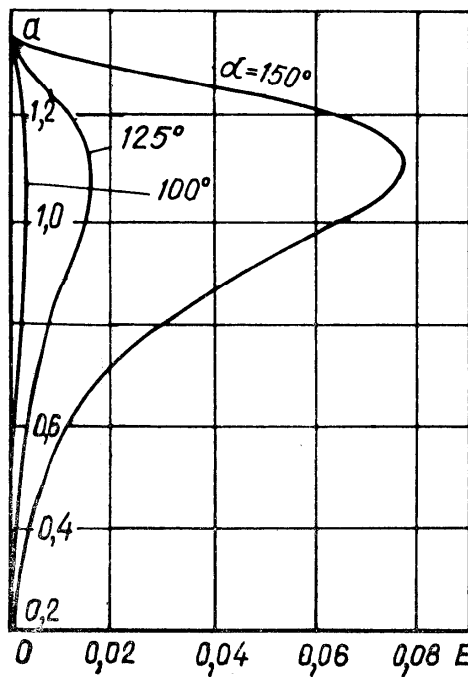
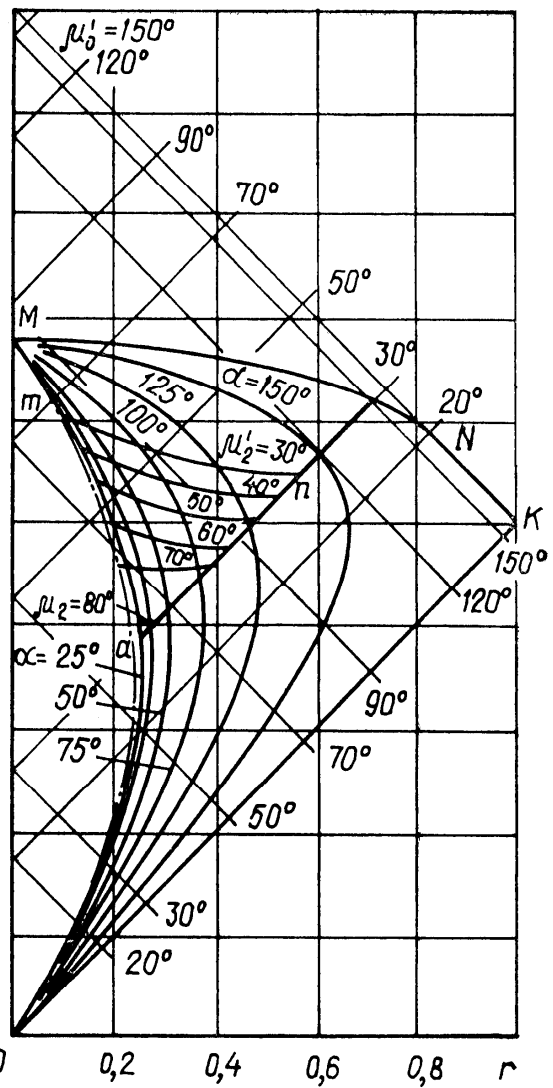
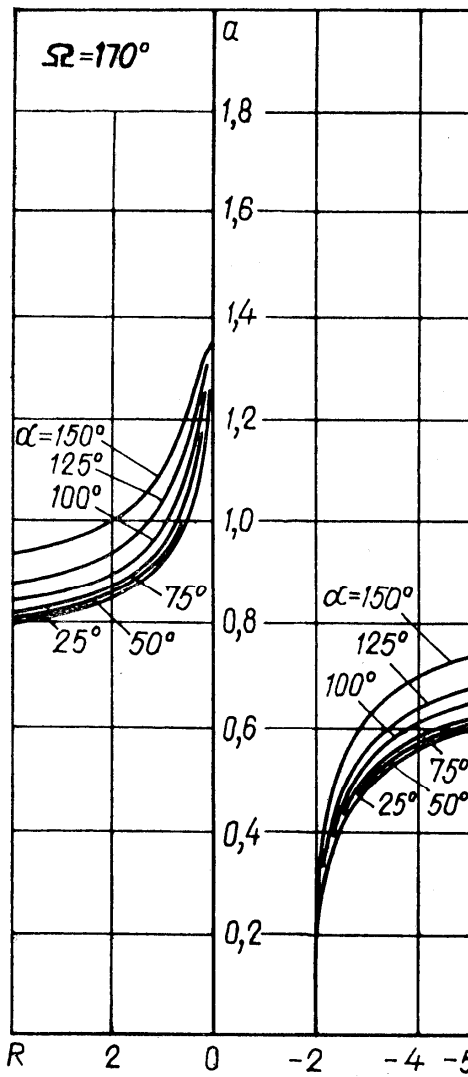
0,2 0,4 0,6 0,8 r

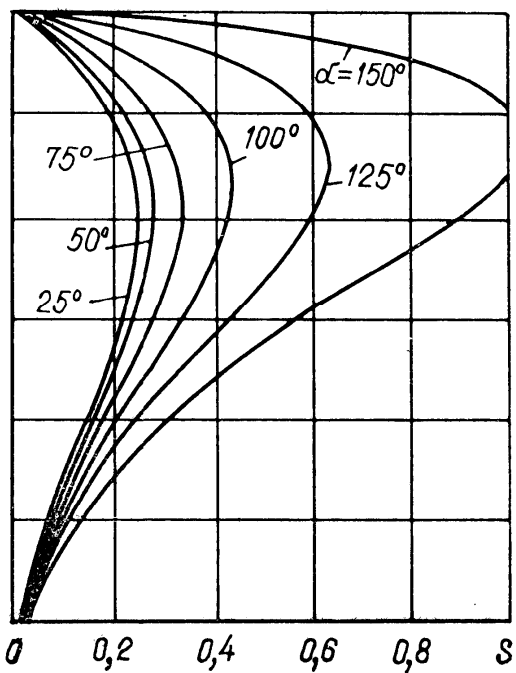
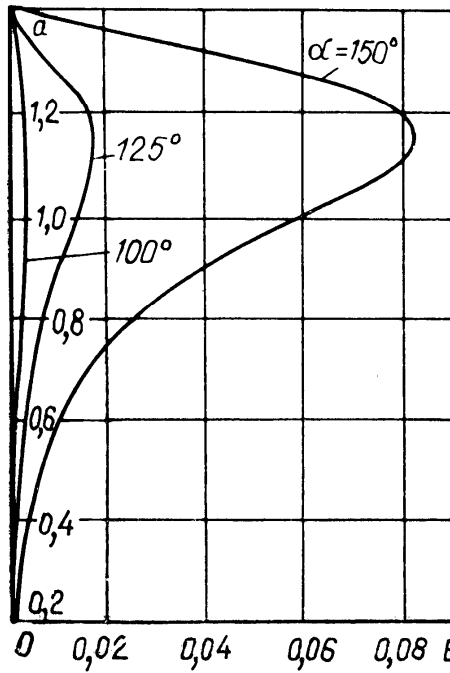
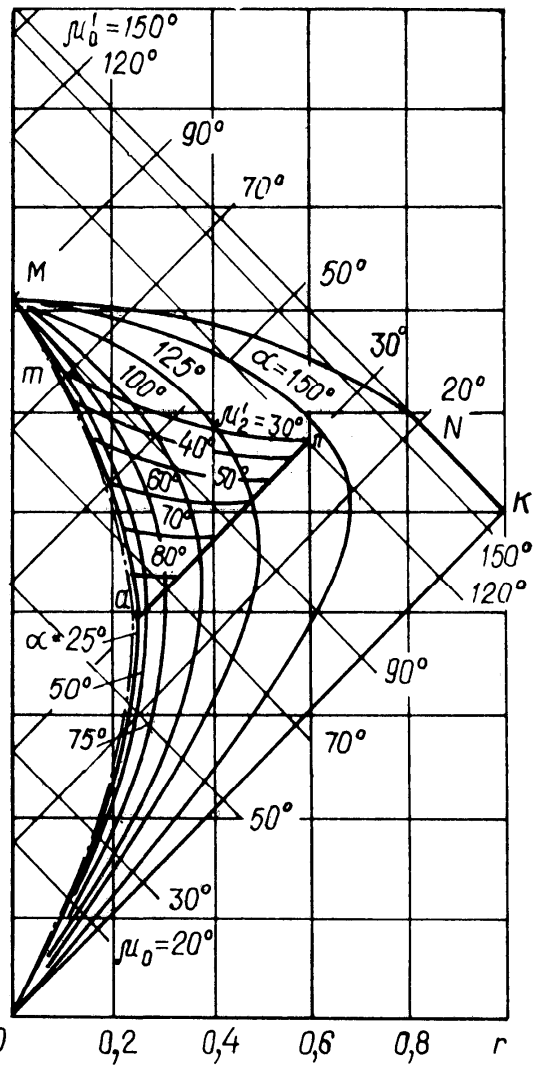
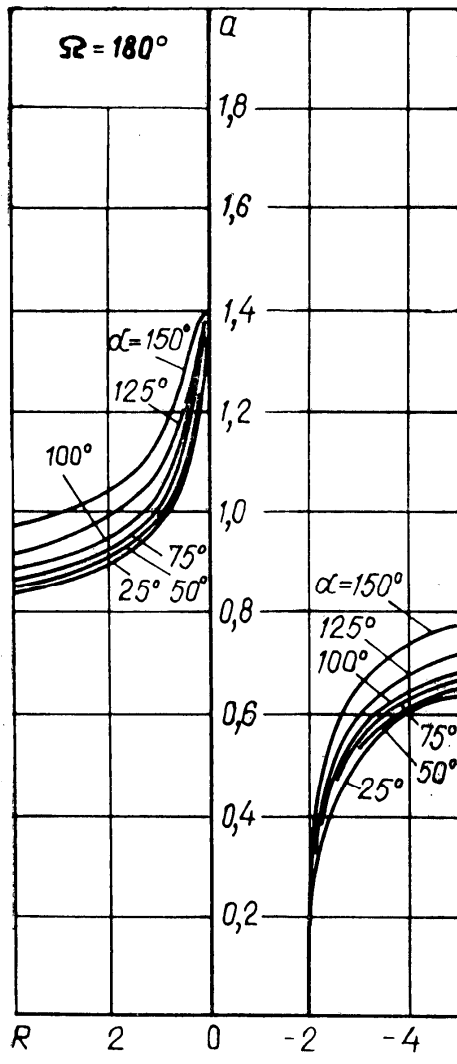


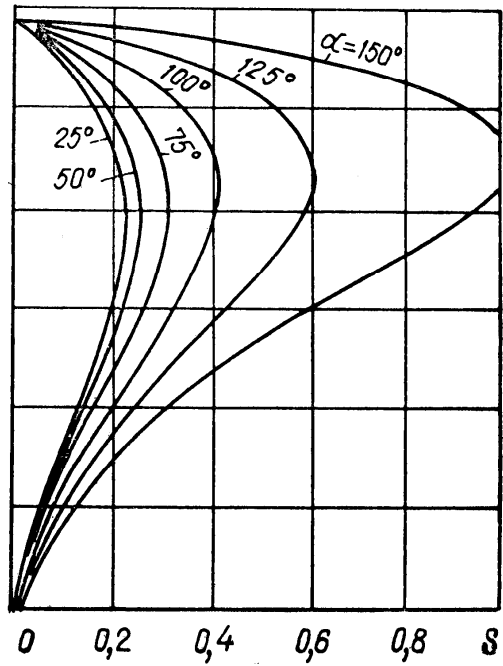
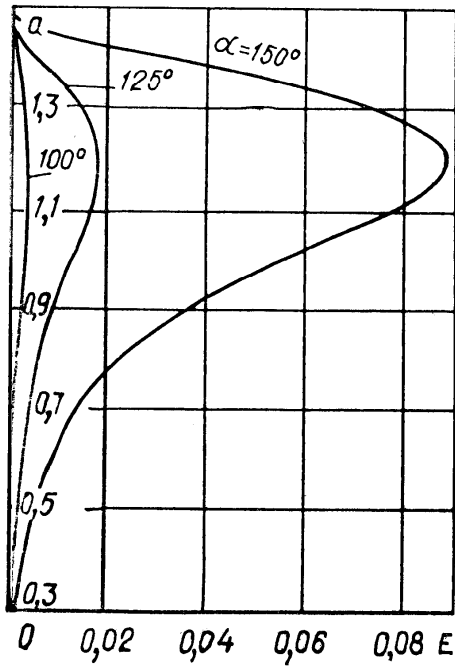
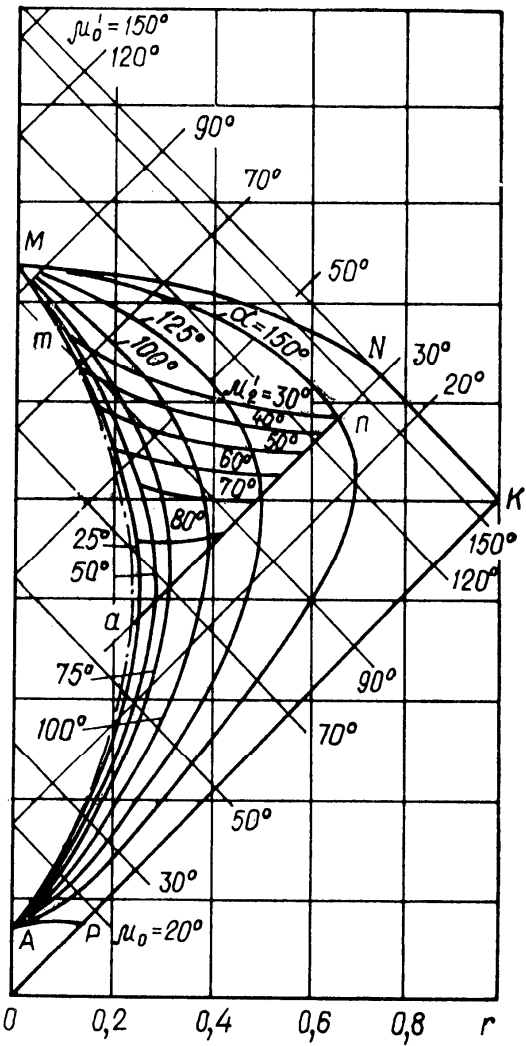
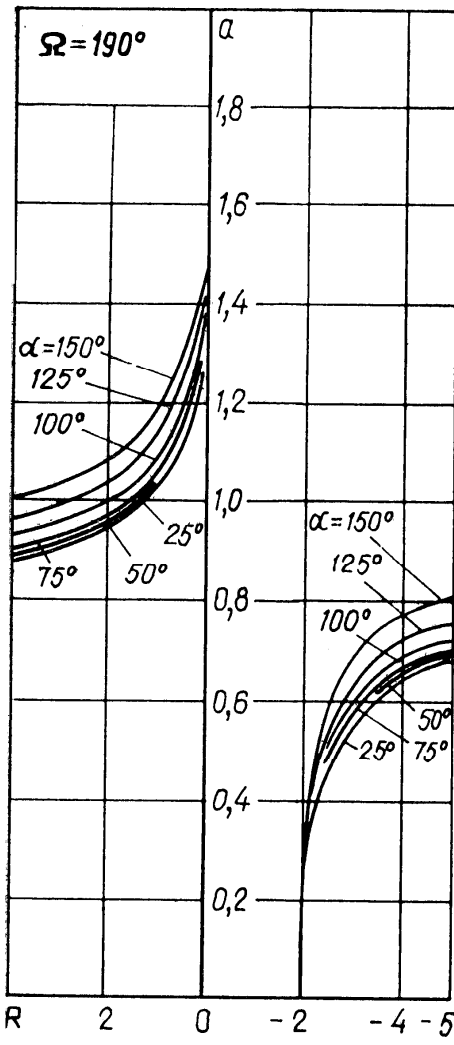
0,02 0,04 0,06 0,08 E

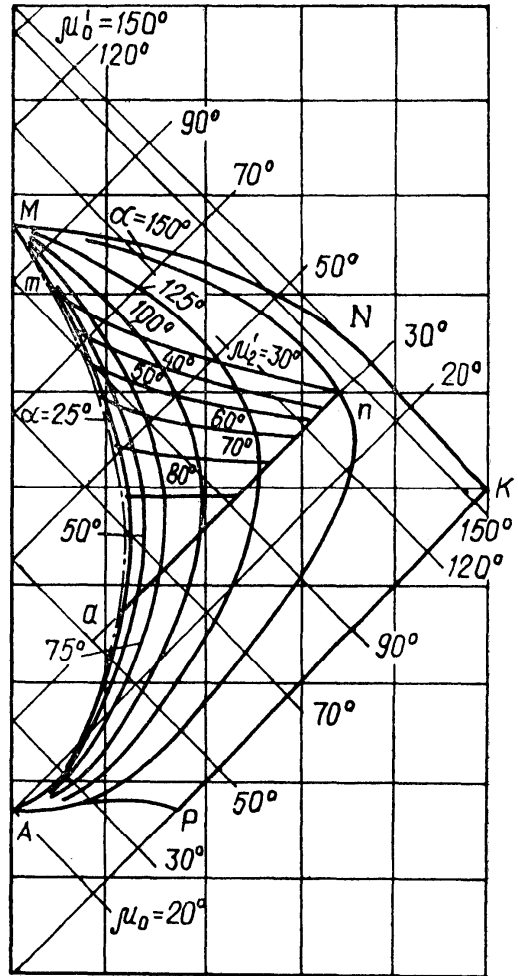
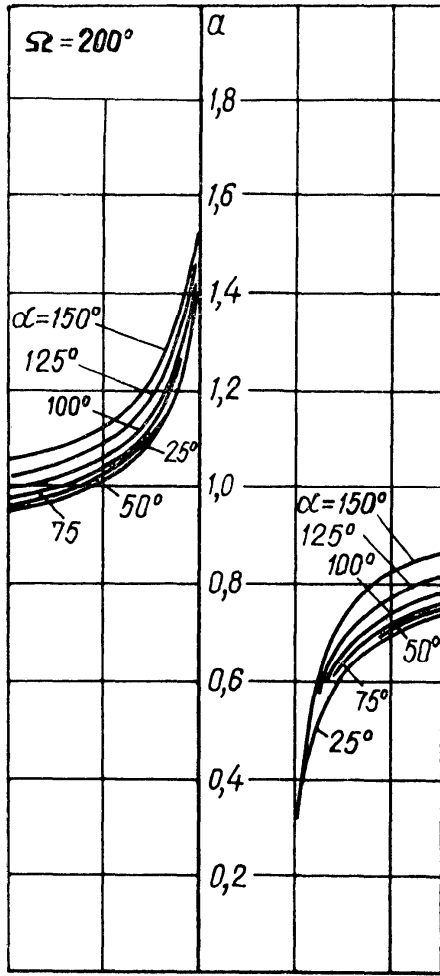
0,2 0,4 0,6 0,8 S





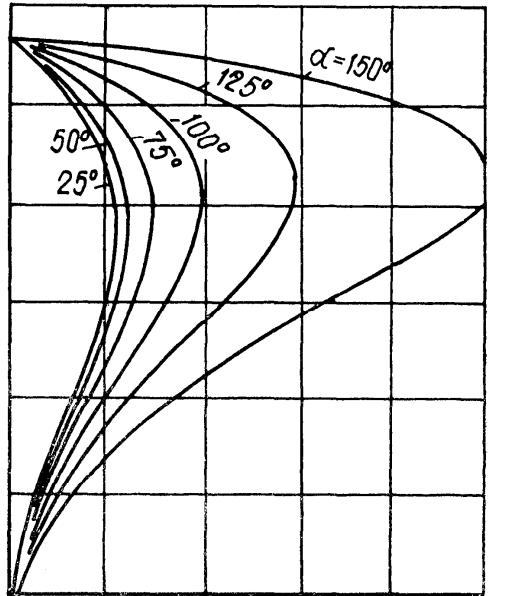
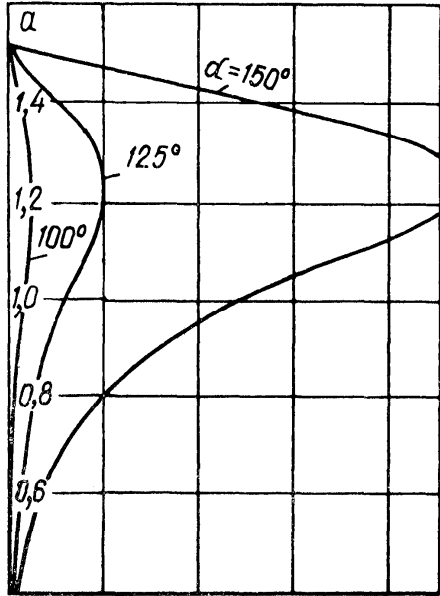






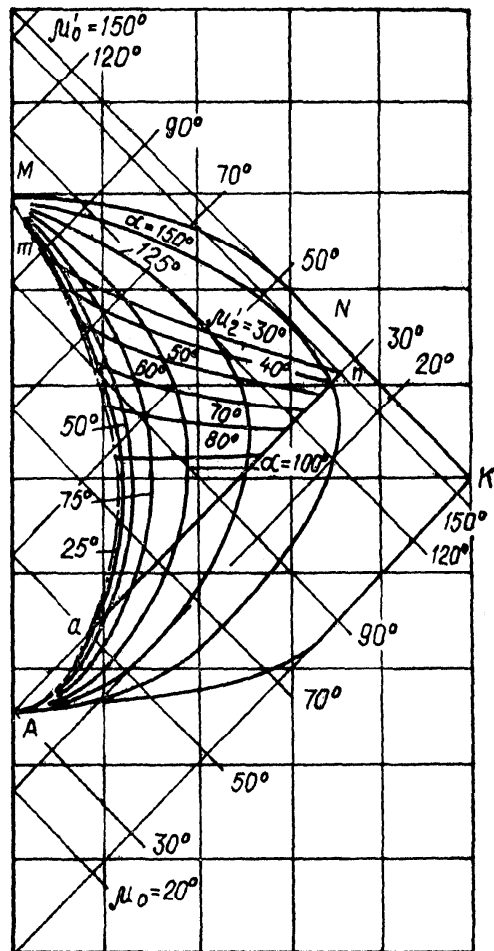
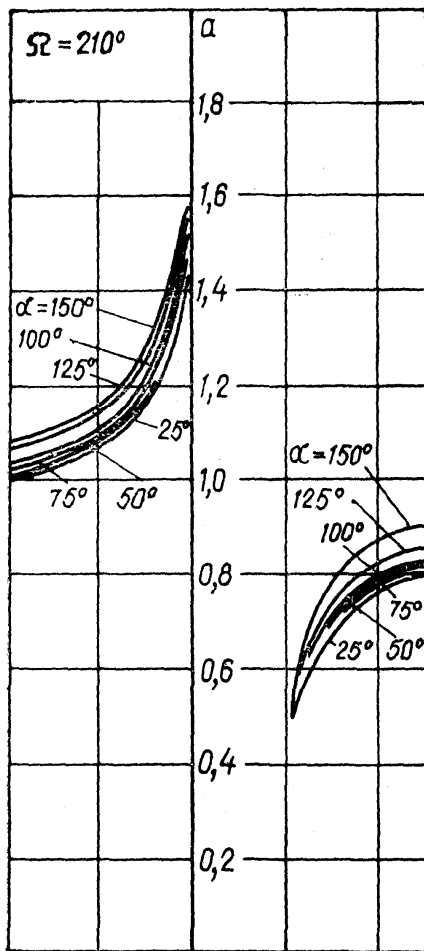
R 2 0 -2 -4 -5 0

0,2 0,4 0,6 0,8 r



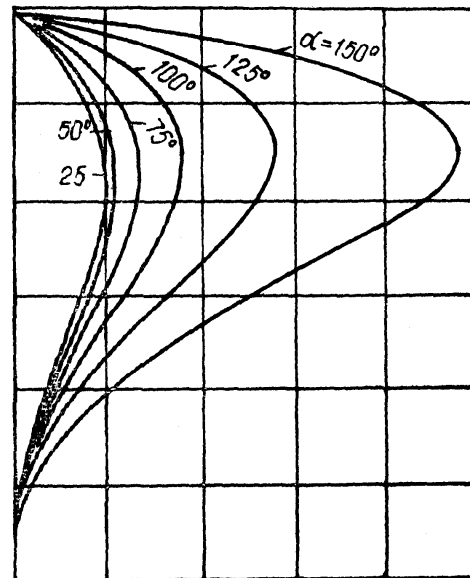
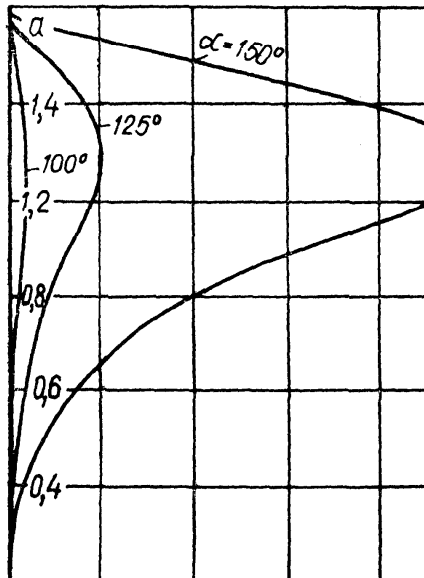
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0 0,2 0,4 0,6 0,8 S



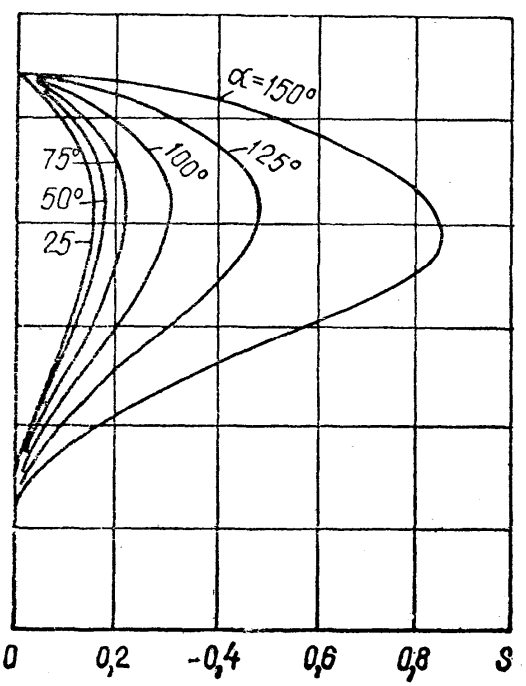
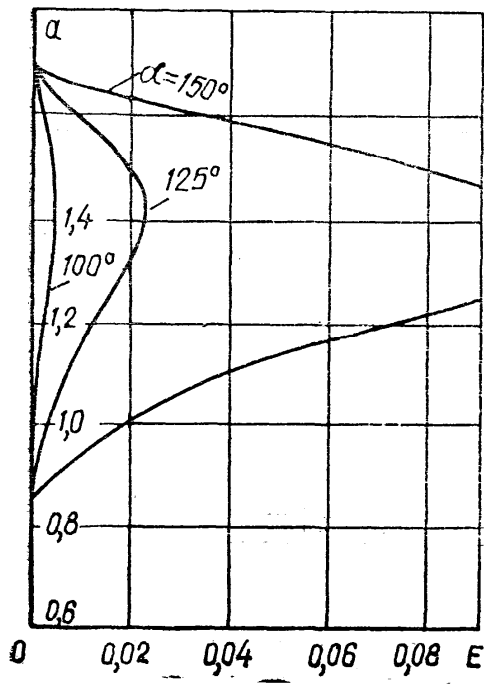
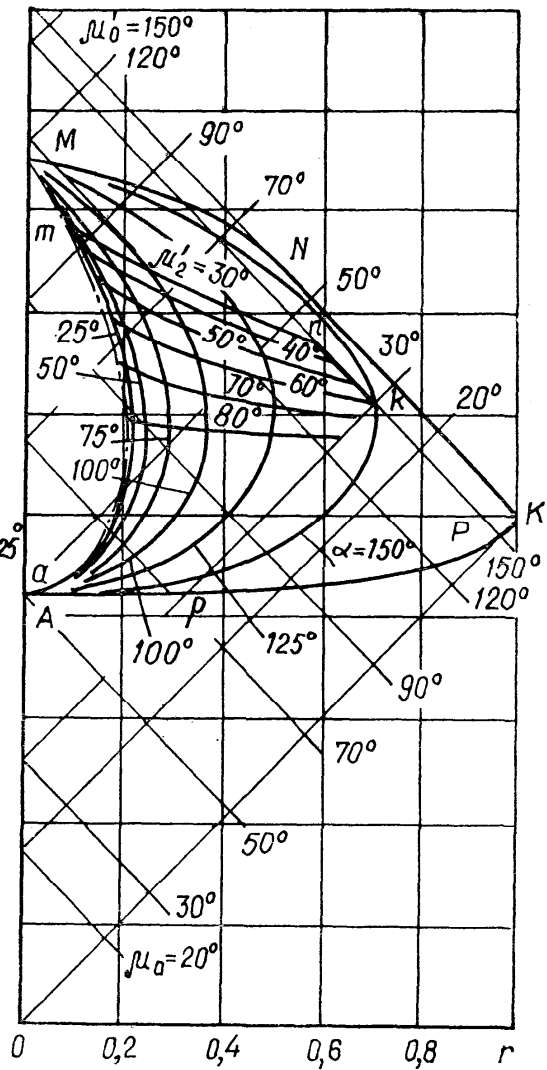
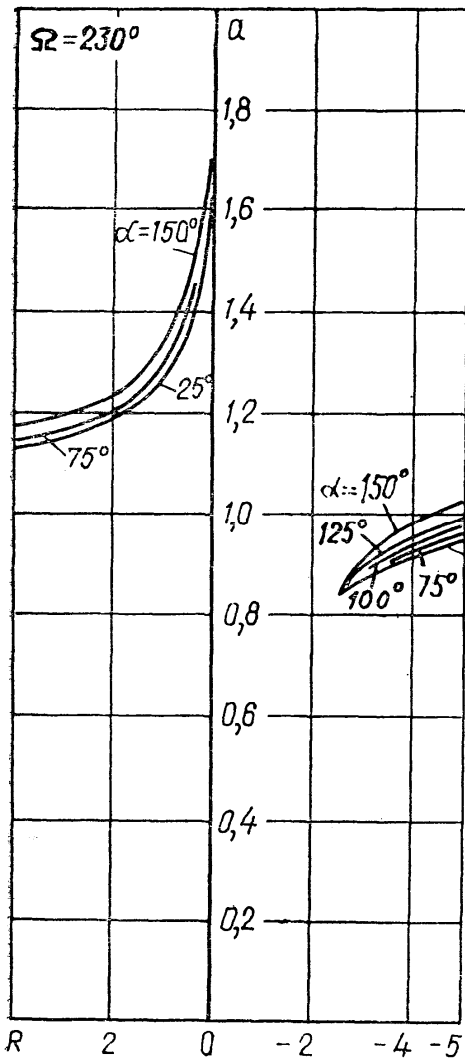
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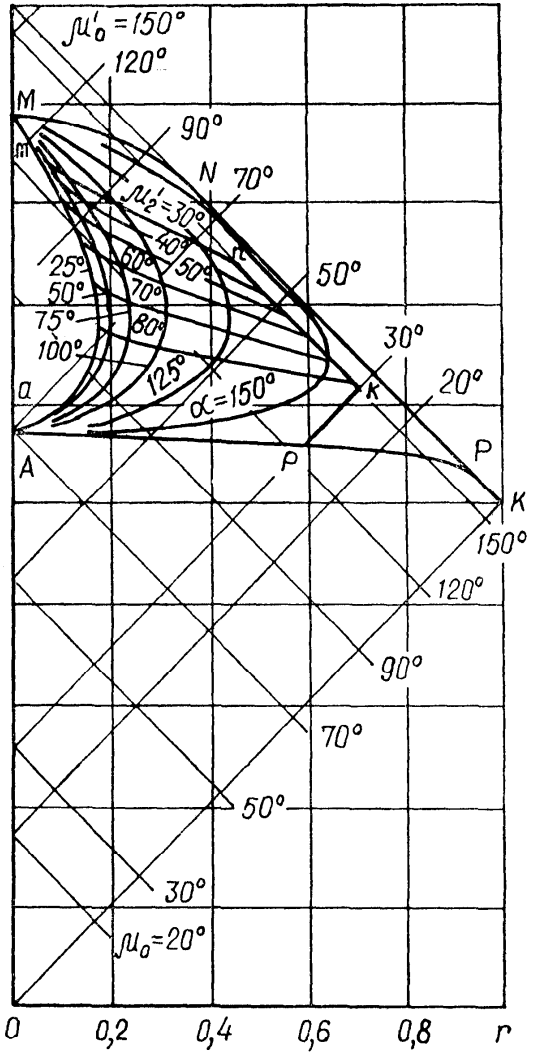
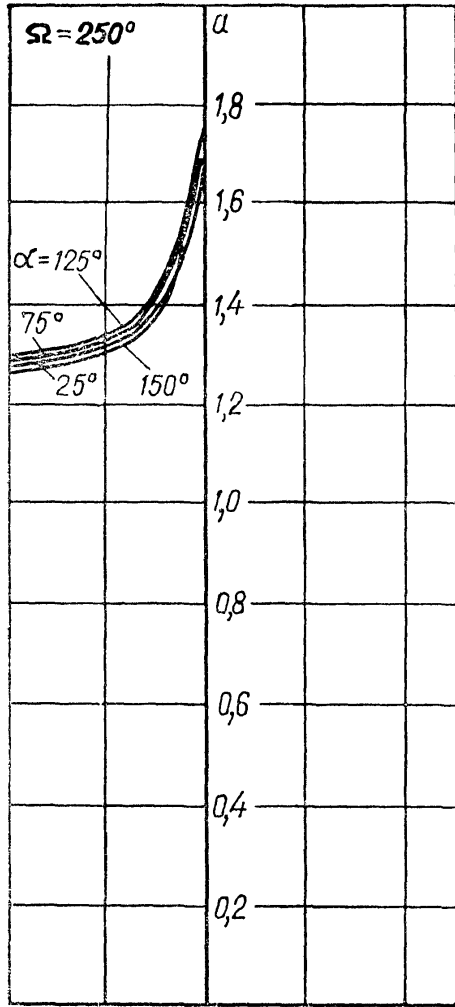
0,2 0,4 0,6 0,8 r



0 0,02 0,04 0,06 0,08 E 0

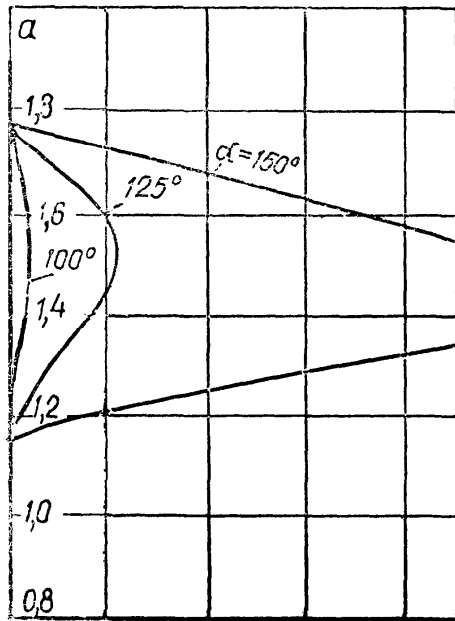
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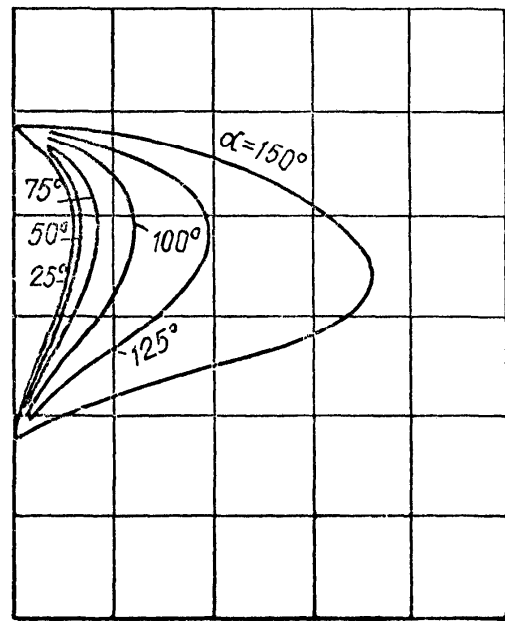


R 2 0 -2 -4 -5

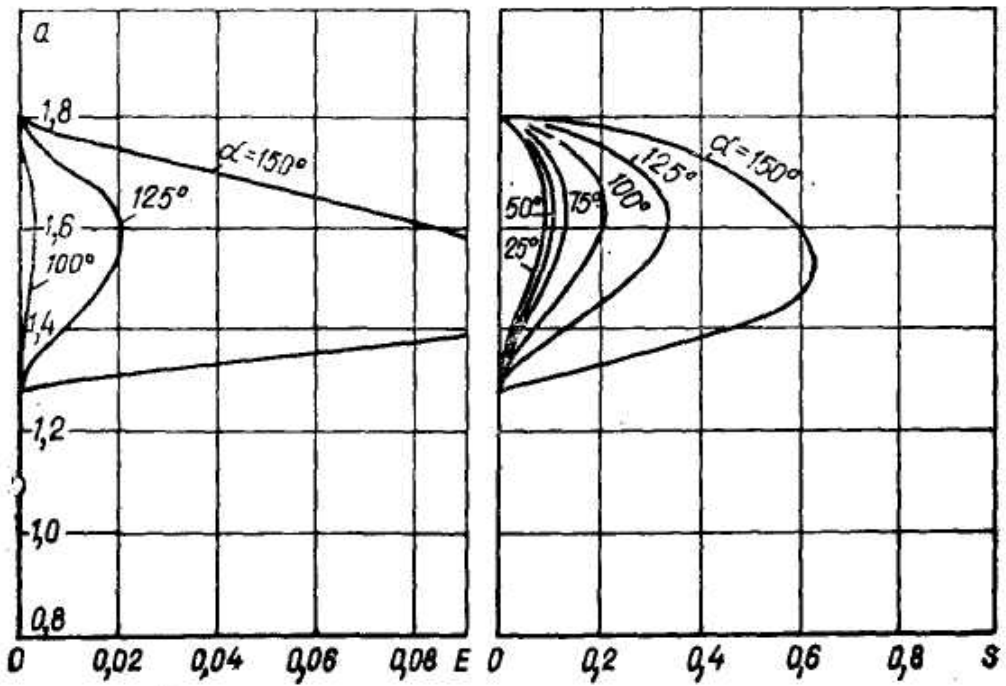
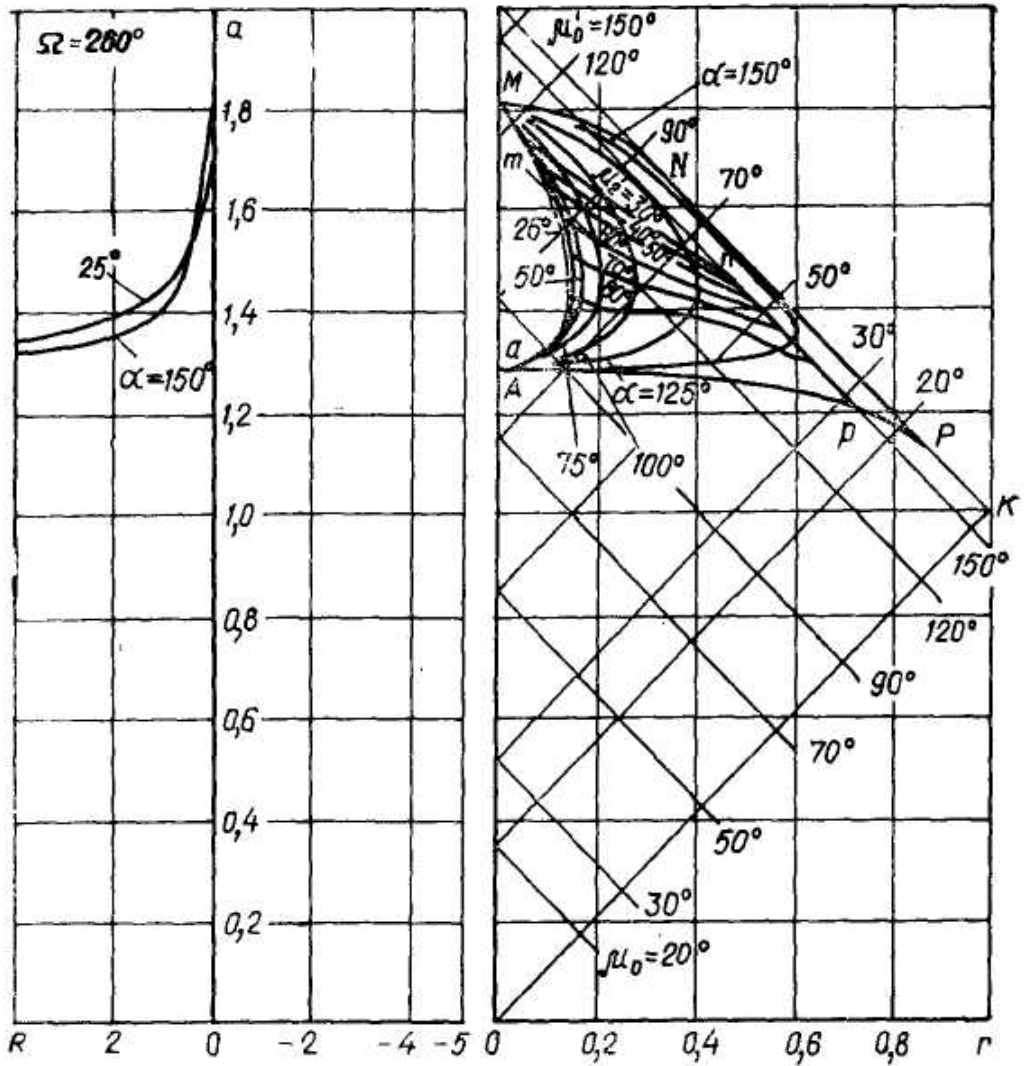
0 0,2 0,4 0,6 0,8 r

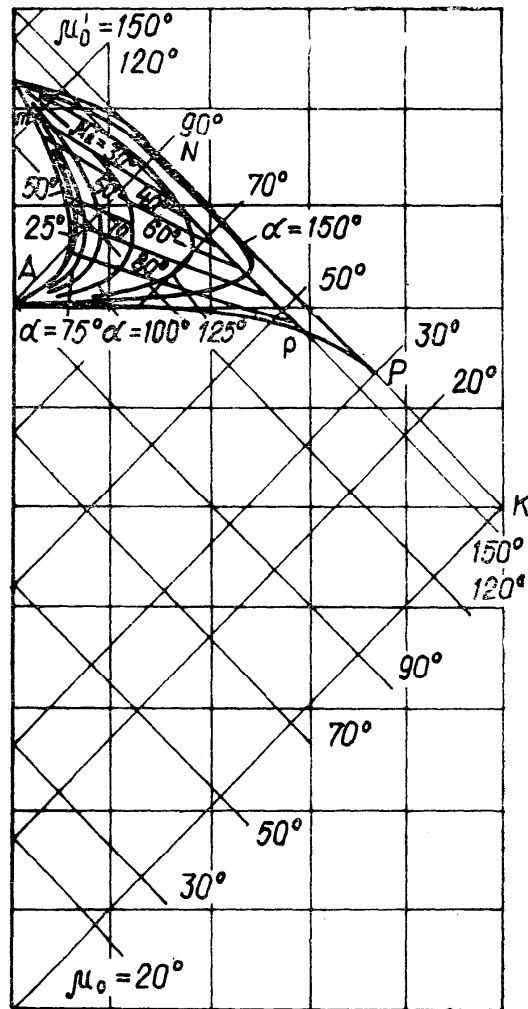
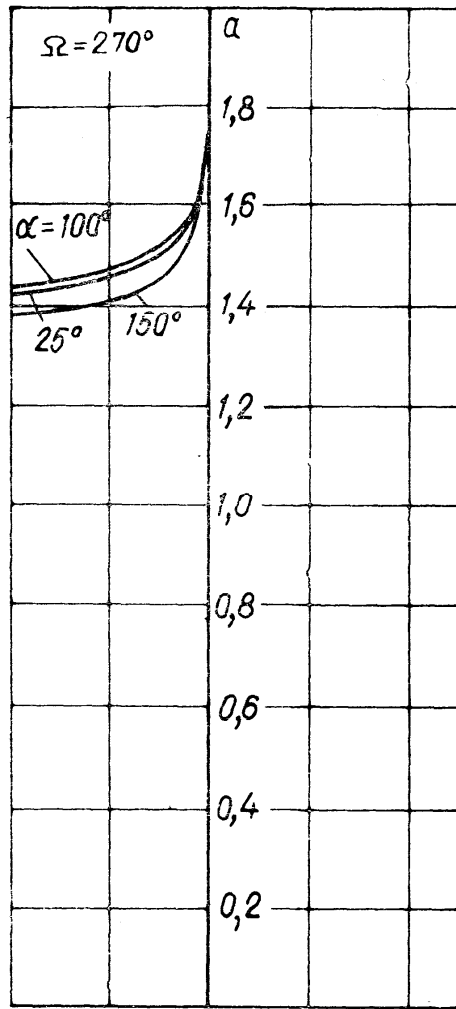


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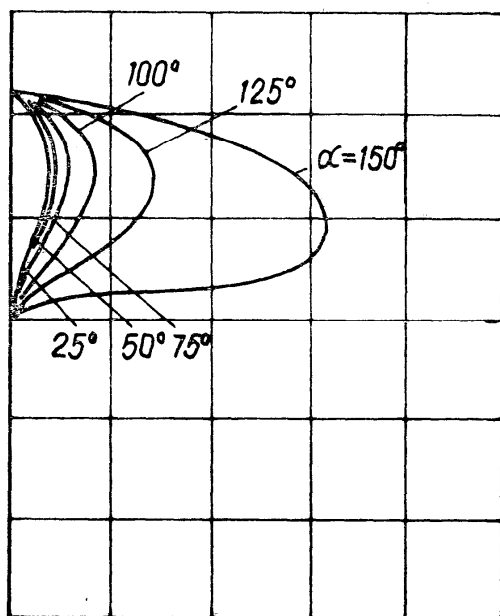
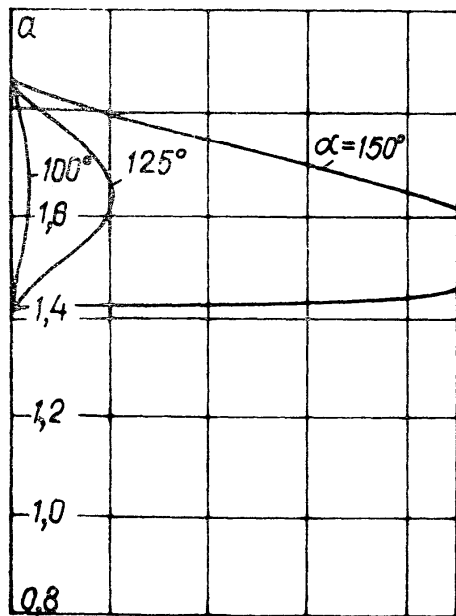
0 0,2 0,4 0,6 0,8 S





R 2 0 -2 -4 0

0,2 0,4 0,6 0,8 r



0 0,02 0,04 0,06 0,08 E 0

0,2 0,4 0,6 0,8 s

Геометричні параметри кругового напрямного механізму Чебишева

α°	a	r	Z	R	E	S
$\Omega = 150^\circ$						
10	1.05	0.1029433	1.4477573	0.167612	$0.81541 \cdot 10^{-9}$	0.17627
	1.00	0.1293528	1.5540937	0.252011	$0.10591 \cdot 10^{-8}$	0.21177
	0.95	0.1534098	1.6911164	0.365460	$0.12204 \cdot 10^{-8}$	0.24018
	0.90	0.1748950	1.8744793	0.523558	$0.12950 \cdot 10^{-8}$	0.26182
	0.85	0.1935893	2.1327586	0.754853	$0.12918 \cdot 10^{-8}$	0.27704
	0.80	0.2092829	2.5242786	1.117677	$0.12271 \cdot 10^{-8}$	0.28617
	0.75	0.2217851	3.1894630	1.752506	$0.11194 \cdot 10^{-8}$	0.28959
20	1.05	0.1050290	1.4483874	0.170205	$0.53369 \cdot 10^{-7}$	0.17986
	1.00	0.1318547	1.5552876	0.255509	$0.69267 \cdot 10^{-7}$	0.21589
	0.95	0.1562344	1.6931982	0.370081	$0.79743 \cdot 10^{-7}$	0.24463
	0.90	0.1779506	1.8779818	0.529736	$0.84521 \cdot 10^{-7}$	0.26643
	0.85	0.1967878	2.1386564	0.763472	$0.84211 \cdot 10^{-7}$	0.28166
	0.80	0.2125410	2.5346246	1.130710	$0.79887 \cdot 10^{-7}$	0.29067
	0.75	0.2250260	3.2095666	1.775192	$0.72778 \cdot 10^{-7}$	0.29386
30	1.05	0.1086218	1.4494741	0.174682	$0.63117 \cdot 10^{-6}$	0.18603
	1.00	0.1361541	1.5573466	0.261538	$0.81811 \cdot 10^{-6}$	0.22297
	0.95	0.1610765	1.6967890	0.378039	$0.94030 \cdot 10^{-6}$	0.25226
	0.90	0.1831764	1.8840257	0.540372	$0.99475 \cdot 10^{-6}$	0.27433
	0.85	0.2022451	2.1488936	0.778320	$0.98901 \cdot 10^{-6}$	0.28955
	0.80	0.2180871	2.5525318	1.153208	$0.93611 \cdot 10^{-6}$	0.29834
	0.75	0.2305304	3.2445156	1.814545	$0.85083 \cdot 10^{-6}$	0.30113
40	1.05	0.1139081	1.4510764	0.181291	$0.37394 \cdot 10^{-5}$	0.19512
	1.00	0.1424564	1.5603820	0.270420	$0.48370 \cdot 10^{-5}$	0.23335
	0.95	0.1681483	1.7020837	0.389744	$0.55458 \cdot 10^{-5}$	0.26343
	0.90	0.1907808	1.8929437	0.556010	$0.58506 \cdot 10^{-5}$	0.28582
	0.85	0.2101579	2.1638993	0.800173	$0.57991 \cdot 10^{-5}$	0.30100
	0.80	0.2261001	2.5790849	1.186432	$0.54712 \cdot 10^{-5}$	0.30943
	0.75	0.2411742	3.2453285	1.90415	$0.15282 \cdot 10^{-4}$	0.20763
50	1.00	0.1510738	1.5645660	0.282645	$0.19708 \cdot 10^{-4}$	0.24757
	0.95	0.1777682	1.7093844	0.405823	$0.22519 \cdot 10^{-4}$	0.27863
	0.90	0.2010731	1.9052537	0.577478	$0.23666 \cdot 10^{-4}$	0.30140
	0.85	0.2208145	2.1847302	0.830224	$0.23361 \cdot 10^{-4}$	0.31644
	0.80	0.2368395	2.6159996	1.232355	$0.21946 \cdot 10^{-4}$	0.32430
	1.05	0.1308355	1.4562331	0.202613	$0.49698 \cdot 10^{-4}$	0.22428
	1.00	0.1624519	1.5701511	0.298923	$0.63821 \cdot 10^{-4}$	0.26636
60	0.95	0.1903839	1.7191358	0.427178	$0.72582 \cdot 10^{-4}$	0.29860
	0.90	0.2144815	1.9217220	0.605981	$0.75895 \cdot 10^{-4}$	0.32174
	0.85	0.2346082	2.2126904	0.870226	$0.74521 \cdot 10^{-4}$	0.33646
	0.80	0.2506534	2.6658787	1.293925	$0.69626 \cdot 10^{-4}$	0.34348
	1.00	0.1772088	1.5775004	0.320258	$0.17726 \cdot 10^{-3}$	0.29078
	0.95	0.2066042	1.7319812	0.455084	$0.20034 \cdot 10^{-3}$	0.32434
	0.90	0.2315766	1.9434661	0.643223	$0.20812 \cdot 10^{-3}$	0.34773
70	0.85	0.2520526	2.2497796	0.922702	$0.20299 \cdot 10^{-3}$	0.36186
	0.80	0.2679874	2.7326498	1.375519	$0.18838 \cdot 10^{-3}$	3.36761
	1.00	0.1961887	1.5871349	0.348054	$0.44198 \cdot 10^{-3}$	0.32228
	0.95	0.2272391	1.7488513	0.491320	$0.49543 \cdot 10^{-3}$	0.35719
	0.90	0.2530991	1.9721220	0.691613	$0.51042 \cdot 10^{-3}$	0.38058
	0.85	0.2737971	2.2989766	0.991304	$0.49371 \cdot 10^{-3}$	0.39363
	1.00	0.2205317	1.5998062	0.384278	$0.10189 \cdot 10^{-2}$	0.36284
90	0.95	0.2533483	1.7711078	0.538377	$0.11299 \cdot 10^{-2}$	0.39896
	0.90	0.2799868	2.0101232	0.754582	$0.11520 \cdot 10^{-2}$	0.42182
	0.85	0.3006378	2.3648186	1.081405	$0.11030 \cdot 10^{-2}$	0.43305
	1.00	0.2517563	1.6166103	0.431682	$0.22160 \cdot 10^{-2}$	0.41519
100	0.95	0.2862879	1.8007801	0.599771	$0.24235 \cdot 10^{-2}$	0.45201
	0.90	0.3133927	2.0611862	0.837103	$0.24387 \cdot 10^{-2}$	0.47342
	1.00	0.2918417	1.6391693	0.494129	$0.46104 \cdot 10^{-2}$	0.48298
110	0.95	0.3277391	1.8409778	0.680525	$0.49536 \cdot 10^{-2}$	0.51942

α°	a	r	Z	R	E	S
	0.90	0.3546750	2.1312062	0.946611	$0.49046 \cdot 10^{-2}$	0.53782
120	0.95	0.3796812	1.8966531	0.787998	$0.97378 \cdot 10^{-2}$	0.60511
$\Omega = 180^\circ$						
10	1.25	0.1014705	1.6319370	0.157649	$0.87345 \cdot 10^{-9}$	0.16305
	1.20	0.1283359	1.7295136	0.234347	$0.11528 \cdot 10^{-8}$	0.19348
	1.15	0.1530005	1.8512797	0.333983	$0.13474 \cdot 10^{-8}$	0.21648
	1.10	0.1752757	2.0075645	0.466892	$0.14501 \cdot 10^{-8}$	0.23271
	1.05	0.1949758	2.2155942	0.650336	$0.14688 \cdot 10^{-8}$	0.24276
	1.00	0.2119256	2.5064068	0.915421	$0.14191 \cdot 10^{-8}$	0.24720
	0.95	0.2259685	2.9421587	1.324414	$0.13197 \cdot 10^{-8}$	0.24660
	0.90	0.2369755	3.6681360	2.022753	$0.11889 \cdot 10^{-8}$	0.24152
	0.85	0.2448536	5.1213639	3.447657	$0.10428 \cdot 10^{-8}$	0.23255
	0.80	0.2495533	9.4999008	7.797421	$0.89371 \cdot 10^{-9}$	0.22028
20	1.25	0.1035741	1.6324320	0.160075	$0.57241 \cdot 10^{-7}$	0.16646
	1.20	0.1308958	1.7304412	0.237553	$0.75520 \cdot 10^{-7}$	0.19738
	1.15	0.1559313	1.8528632	0.338088	$0.88213 \cdot 10^{-7}$	0.22069
	1.10	0.1784934	2.0101416	0.472138	$0.94867 \cdot 10^{-7}$	0.23705
	1.05	0.1943991	2.2197195	0.657190	$0.96001 \cdot 10^{-7}$	0.24710
	1.00	0.2154767	2.5130864	0.924812	$0.92656 \cdot 10^{-7}$	0.25143
	0.95	0.2295747	2.9534775	1.338361	$0.86071 \cdot 10^{-7}$	0.25062
	0.90	0.2405704	3.6893186	2.046425	$0.77456 \cdot 10^{-7}$	0.24527
	0.85	0.2483785	5.1703574	3.498961	$0.67858 \cdot 10^{-7}$	0.23597
	0.80	0.2529579	9.6990593	7.998683	$0.58096 \cdot 10^{-7}$	0.22336
30	1.25	0.1072002	1.6332799	0.164264	$0.67841 \cdot 10^{-6}$	0.17233
	1.20	0.1352990	1.7320310	0.243079	$0.89441 \cdot 10^{-6}$	0.20410
	1.15	0.1609619	1.8555791	0.345155	$0.10437 \cdot 10^{-5}$	0.22791
	1.10	0.1840055	2.0145657	0.481160	$0.11209 \cdot 10^{-5}$	0.24450
	1.05	0.2042517	2.2268087	0.668972	$0.11325 \cdot 10^{-5}$	0.25454
	1.00	0.2215362	2.5245831	0.940963	$0.10911 \cdot 10^{-5}$	0.25866
	0.95	0.2357167	2.9730076	1.362393	$0.10117 \cdot 10^{-5}$	0.25749
	0.90	0.2465822	3.7260308	2.087397	$0.90868 \cdot 10^{-5}$	0.25165
	0.85	0.2543610	5.2560782	3.588629	$0.79459 \cdot 10^{-5}$	0.24180
	0.80	0.2587272	10.0582420	8.361451	$0.67907 \cdot 10^{-5}$	0.22857
40	1.25	0.1125412	1.6345159	0.704490	$0.40313 \cdot 10^{-5}$	0.18099
	1.20	0.1417630	1.7343514	0.251217	$0.53087 \cdot 10^{-5}$	0.21397
	1.15	0.1683233	1.8595481	0.355540	$0.61845 \cdot 10^{-5}$	0.23850
	1.10	0.1920461	2.0210398	0.494398	$0.66289 \cdot 10^{-5}$	0.25539
	1.05	0.2127632	2.2372014	0.686251	$0.66821 \cdot 10^{-5}$	0.26538
	1.00	0.2303226	2.5414796	0.964671	$0.64217 \cdot 10^{-5}$	0.26917
	0.95	0.2445976	3.0018240	1.397781	$0.59384 \cdot 10^{-5}$	0.26743
	0.90	0.2554955	3.7805821	2.148146	$0.53195 \cdot 10^{-6}$	0.26088
	0.85	0.2629656	5.3853886	3.723666	$0.46393 \cdot 10^{-6}$	0.25019
	0.80	0.2670051	10.6275360	8.935936	$0.39549 \cdot 10^{-6}$	0.23607
50	1.25	0.1198924	1.6361917	0.178988	$0.16539 \cdot 10^{-4}$	0.19292
	1.20	0.1506180	1.7375032	0.262412	$0.21740 \cdot 10^{-4}$	0.22752
	1.15	0.1783624	1.8649495	0.369781	$0.25268 \cdot 10^{-4}$	0.25298
	1.10	0.2029642	2.0298695	0.512515	$0.27009 \cdot 10^{-4}$	0.27022
	1.05	0.2242727	2.2514131	0.709884	$0.27141 \cdot 10^{-4}$	0.28008
	1.00	0.2421563	2.5646704	0.997147	$0.25995 \cdot 10^{-4}$	0.28336
	0.95	0.2565124	3.0416025	1.446484	$0.23955 \cdot 10^{-4}$	0.28082
	0.90	0.2672761	3.8566522	2.232603	$0.21382 \cdot 10^{-4}$	0.27325
	0.85	0.2744275	5.5697015	3.915699	$0.18584 \cdot 10^{-4}$	0.26141
	0.80	0.2779962	11.5017880	9.817158	$0.15791 \cdot 10^{-4}$	0.24606
60	1.25	0.1296812	1.6383760	0.190400	$0.54046 \cdot 10^{-4}$	0.20885
	1.20	0.1623356	1.7416236	0.277299	$0.70841 \cdot 10^{-4}$	0.24550
	1.15	0.1915682	1.8720320	0.388645	$0.82069 \cdot 10^{-4}$	0.27209
	1.10	0.2172454	2.0414848	0.536451	$0.87401 \cdot 10^{-4}$	0.28970
	1.05	0.2392463	2.2701810	0.741093	$0.87473 \cdot 10^{-4}$	0.29930
	1.00	0.2574723	2.5954559	1.040135	$0.83421 \cdot 10^{-4}$	0.30182
	0.95	0.2718576	3.0948300	1.511383	$0.76532 \cdot 10^{-4}$	0.29815

α°	a	r	Z	R	E	S
	0.90	0.2823778	3.9598800	2.346746	$0.68013 \cdot 10^{-4}$	0.28918
	0.85	0.2890564	5.8276018	4.183600	$0.58863 \cdot 10^{-4}$	0.27578
70	1.20	0.1775690	1.7468887	0.296759	$0.19823 \cdot 10^{-3}$	0.26897
	1.15	0.2086063	1.8811247	0.413181	$0.22862 \cdot 10^{-3}$	0.29687
	1.10	0.2355401	2.0564699	0.567493	$0.24231 \cdot 10^{-3}$	0.31479
	1.05	0.2582990	2.2945299	0.781559	$0.24126 \cdot 10^{-3}$	0.32390
	1.00	0.2768366	2.6356886	1.096081	$0.22886 \cdot 10^{-3}$	0.32530
	0.95	0.2911418	3.1651541	1.596645	$0.20882 \cdot 10^{-3}$	0.32006
	0.90	0.3012483	4.0988978	2.499651	$0.18459 \cdot 10^{-3}$	0.30921
	0.85	0.3072391	6.1899931	4.558639	$0.15895 \cdot 10^{-3}$	0.29375
80	1.20	0.1972055	1.7535091	0.321991	$0.49856 \cdot 10^{-3}$	0.29941
	1.15	0.2303620	1.8926451	0.444800	$0.57155 \cdot 10^{-3}$	0.32875
	1.10	0.2586965	2.0755886	0.607365	$0.60201 \cdot 10^{-3}$	0.34681
	1.05	0.2822186	2.3258670	0.833564	$0.59559 \cdot 10^{-3}$	0.35505
	1.00	3.3009613	2.6880003	1.168394	$0.56129 \cdot 10^{-3}$	0.35481
	0.95	3.3149941	3.2579648	1.708331	$0.50884 \cdot 10^{-3}$	0.34739
	0.90	0.3244321	4.2872084	2.705381	$0.44697 \cdot 10^{-3}$	0.33401
	0.85	0.3294393	6.7109067	5.095308	$0.38261 \cdot 10^{-3}$	0.31585
90	1.20	0.2224302	1.7617064	0.354597	$0.11607 \cdot 10^{-2}$	0.33886
	1.15	0.2579873	1.9070908	0.485359	$0.13200 \cdot 10^{-2}$	0.36965
	1.10	0.2877934	2.0998683	0.658340	$0.13795 \cdot 10^{-2}$	0.38751
	1.05	0.3119853	2.3661121	0.900178	$0.13541 \cdot 10^{-2}$	0.39427
	1.00	0.3307148	2.7561612	1.261846	$0.12662 \cdot 10^{-2}$	0.39164
	0.95	0.3441664	3.3814032	1.855426	$0.11391 \cdot 10^{-2}$	0.38120
	0.90	0.3525675	4.5467964	2.986613	$0.99330 \cdot 10^{-2}$	0.36443
100	1.15	0.2929404	1.9249860	0.537224	$0.28719 \cdot 10^{-2}$	0.42216
	1.10	0.3241612	2.1305136	0.723346	$0.29721 \cdot 10^{-2}$	0.43919
	1.05	0.3487795	2.4178744	0.985504	$0.28898 \cdot 10^{-3}$	0.44356
	1.00	0.3671179	2.8456698	1.383202	$0.26772 \cdot 10^{-2}$	0.43743
	0.95	0.3795217	3.5482118	2.051713	$0.23871 \cdot 10^{-2}$	0.42280
110	1.15	0.3369909	2.9467122	0.603265	$0.59661 \cdot 10^{-2}$	0.48982
	1.10	0.3693715	1.1689444	0.806028	$0.61017 \cdot 10^{-2}$	0.50495
	1.05	0.3939596	2.4846822	1.094988	$0.58661 \cdot 10^{-2}$	0.50551
	1.00	0.4113148	2.9647690	1.542287	$0.53759 \cdot 10^{-2}$	0.49429
	0.95	0.4220003	3.7793918	2.319445	$0.47446 \cdot 10^{-2}$	0.47384
120	1.15	0.3921433	1.9720556	0.686612	$0.11947 \cdot 10^{-1}$	0.57736
	1.10	0.4251625	2.2164745	0.910639	$0.12051 \cdot 10^{-1}$	0.58892
	1.05	0.4489910	2.5712551	1.235802	$0.11434 \cdot 10^{-1}$	0.58354
	1.00	0.4645025	3.1263324	1.753916	$0.10348 \cdot 10^{-1}$	0.56491
130	1.10	0.4932635	2.2734645	1.041464	$0.23071 \cdot 10^{-1}$	0.69682
	1.05	0.5153045	2.6837282	1.417248	$0.21562 \cdot 10^{-1}$	0.68228
140	1.10	0.5750795	2.3367418	1.200862	$0.43128 \cdot 10^{-1}$	0.83713
$\Omega = 210$						
10	1.45	0.0854344	1.7581073	0.122799	$0.78718 \cdot 10^{-9}$	0.13022
	1.40	0.1130517	1.8447420	0.189775	$0.11192 \cdot 10^{-8}$	0.15689
	1.35	0.1384089	1.9511321	0.275520	$0.13572 \cdot 10^{-8}$	0.17499
10	1.30	0.1612945	2.0849355	0.387743	$0.14870 \cdot 10^{-8}$	0.18569
	1.25	0.1814955	2.2583788	0.538755	$0.15160 \cdot 10^{-8}$	0.18997
	1.20	0.1988043	2.4922627	0.749477	$0.14634 \cdot 10^{-8}$	0.18071
	1.15	0.2130266	2.8250713	1.058554	$0.13524 \cdot 10^{-8}$	0.18272
	1.10	0.2239887	3.3368124	1.546199	$0.12057 \cdot 10^{-8}$	0.17280
	1.05	0.2315451	4.2256267	2.410797	$0.10424 \cdot 10^{-8}$	0.15969
	1.00	0.2355824	6.1530741	4.314186	$0.87735 \cdot 10^{-9}$	0.14414
	0.95	0.2360196	13.5039870	11.641505	$0.72056 \cdot 10^{-9}$	0.12687
	0.90	0.2328020	-29.9880150	-31.873302	$0.57807 \cdot 10^{-9}$	0.10858
	0.85	0.2258858	-6.0103626	-7.917337	$0.45276 \cdot 10^{-9}$	0.08994
	0.80	0.2152084	-2.9833014	-4.910521	$0.34518 \cdot 10^{-9}$	0.07156
	0.75	0.2006343	-1.7987094	-3.744423	$0.25442 \cdot 10^{-9}$	0.05402
	0.70	0.1818451	-1.1680743	-3.130237	$0.17873 \cdot 10^{-9}$	0.03784
20	1.45	0.0872612	1.7583916	0.124728	$0.51661 \cdot 10^{-7}$	0.13304
	1.40	0.1153906	1.8453168	0.192362	$0.73459 \cdot 10^{-7}$	0.16019
	1.35	0.1411760	1.9521487	0.278804	$0.89069 \cdot 10^{-7}$	0.17857

α°	a	r	Z	R	E	S
	1.30	0.1644063	2.0866097	0.391836	$0.97544 \cdot 10^{-7}$	0.18938
	1.25	0.1848701	2.2610418	0.543893	$0.99388 \cdot 10^{-7}$	0.19363
	1.20	0.2023625	2.4964691	0.756134	$0.95867 \cdot 10^{-7}$	0.19222
	1.15	0.2166929	2.8318568	1.067697	$0.88522 \cdot 10^{-7}$	0.18601
	1.10	0.2276931	3.3484134	1.560010	$0.78847 \cdot 10^{-7}$	0.17579
	1.05	0.2352240	4.2480320	2.435223	$0.68111 \cdot 10^{-7}$	0.16234
	1.00	0.2391799	6.2096664	4.372583	$0.57277 \cdot 10^{-7}$	0.14644
	0.95	0.2394879	13.8294940	11.968588	$0.47006 \cdot 10^{-7}$	0.12882
	0.90	0.2361015	-28.2571330	-30.141079	$0.37688 \cdot 10^{-7}$	0.11019
	0.85	0.2289844	-5.9251206	-7.830983	$0.29505 \cdot 10^{-7}$	0.09123
	0.80	0.2180803	-2.9584482	-4.884774	$0.22488 \cdot 10^{-7}$	0.07256
	0.75	0.2032574	-1.7879707	-3.732992	$0.16575 \cdot 10^{-7}$	0.05475
30	1.45	0.0904138	1.7588722	0.128060	$0.61375 \cdot 10^{-6}$	0.13790
	1.40	0.1194189	1.8462905	0.196824	$0.87282 \cdot 10^{-6}$	0.16589
	1.35	0.1459325	1.9538744	0.284457	$0.10580 \cdot 10^{-5}$	0.18475
	1.30	0.1697457	2.0894574	0.398867	$0.11578 \cdot 10^{-5}$	0.19573
	1.25	0.1906505	2.2655800	0.552709	$0.11785 \cdot 10^{-5}$	0.19991
	1.20	0.2084474	2.5036523	0.767546	$0.11353 \cdot 10^{-5}$	0.19824
	1.15	0.2229531	2.8434723	1.083376	$0.10468 \cdot 10^{-5}$	0.19163
	1.10	0.2340093	3.3683360	1.583736	$0.93100 \cdot 10^{-6}$	0.18090
	1.05	0.2414885	4.2867068	2.477372	$0.80303 \cdot 10^{-6}$	0.16688
	1.00	0.2452983	6.3084016	4.474418	$0.67435 \cdot 10^{-6}$	0.15038
	0.95	0.2453803	14.4210680	12.562863	$0.55274 \cdot 10^{-6}$	0.13215
	0.90	0.2417021	-25.7296240	-27.611272	$0.44272 \cdot 10^{-6}$	0.11294
	0.85	0.2342403	-5.7854605	-7.689420	$0.34633 \cdot 10^{-6}$	0.09342
	0.80	0.2229492	-2.9170782	-4.841874	$0.26386 \cdot 10^{-6}$	0.07425
	0.75	0.2077035	-1.7699770	-3.713813	$0.19446 \cdot 10^{-6}$	0.05600
40	1.45	0.0950656	1.7595577	0.132985	$0.36596 \cdot 10^{-5}$	0.14509
	0.40	0.1253435	1.8476846	0.203398	$0.52043 \cdot 10^{-5}$	0.17429
	0.35	0.1529073	1.9563540	0.292759	$0.63046 \cdot 10^{-5}$	0.19382
	0.30	0.1775534	2.0935625	0.409165	$0.68921 \cdot 10^{-5}$	0.20504
	0.25	0.1990809	2.2721437	0.565593	$0.70046 \cdot 10^{-5}$	0.20911
	0.20	0.2172999	2.5140769	0.784209	$0.67356 \cdot 10^{-5}$	0.20705
	0.15	0.2320397	2.8603951	1.106280	$0.61980 \cdot 10^{-5}$	0.19982
	0.10	0.2431572	3.3975110	1.618498	$0.55005 \cdot 10^{-5}$	0.18834
	1.05	0.2505433	4.3438048	2.539564	$0.47344 \cdot 10^{-5}$	0.17348
	1.00	0.2541262	6.4566622	4.627215	$0.39680 \cdot 10^{-5}$	0.15608
	0.95	0.2538687	15.3707580	13.516500	$0.32468 \cdot 10^{-5}$	0.13697
	0.90	0.2497595	-22.7853990	-24.663696	$0.25969 \cdot 10^{-5}$	0.11690
	0.85	0.2417940	-5.5949126	-7.496098	$0.20294 \cdot 10^{-5}$	0.09659
40	0.80	0.2299418	-2.8592896	-4.781858	$0.15453 \cdot 10^{-5}$	0.07669
	0.75	0.2140865	-1.7445905	-3.686702	$0.11388 \cdot 10^{-5}$	0.05780
50	1.45	0.1014826	1.7604562	0.139791	$0.15082 \cdot 10^{-4}$	0.15504
	1.40	0.1334792	1.8495235	0.212441	$0.21440 \cdot 10^{-4}$	0.18587
	1.35	0.1624450	1.9596432	0.304130	$0.25948 \cdot 10^{-4}$	0.20630
	1.30	0.1881888	2.0990372	0.423217	$0.28322 \cdot 10^{-4}$	0.21781
	1.25	0.2105235	2.2809416	0.583124	$0.28725 \cdot 10^{-4}$	0.22168
	1.20	0.2292752	2.5281222	0.806851	$0.27554 \cdot 10^{-4}$	0.21904
	1.15	0.2442931	2.8833282	1.137434	$0.25278 \cdot 10^{-4}$	0.21095
	1.10	0.2554575	3.4373449	1.665991	$0.22379 \cdot 10^{-4}$	0.19842
	1.05	0.2626863	4.4226812	2.625405	$0.19210 \cdot 10^{-4}$	0.18238
	1.00	0.2659366	6.6665522	4.843291	$0.16059 \cdot 10^{-4}$	0.16377
	0.95	0.2652013	16.8585700	15.009681	$0.13111 \cdot 10^{-4}$	0.14344
	0.90	0.2604979	-9.7550170	-21.628762	$0.10468 \cdot 10^{-4}$	0.12221
	0.85	0.2518477	-15.3582502	-7.255675	$0.81700 \cdot 10^{-5}$	0.10083
	0.80	0.2392400	-2.7852599	-4.704810	$0.62166 \cdot 10^{-5}$	0.07996
	0.75	0.2225707	-1.7116317	-3.651408	$0.45814 \cdot 10^{-5}$	0.06020
60	1.40	0.1442749	1.8518238	0.224460	$0.70383 \cdot 10^{-4}$	0.20132
	1.35	0.1750313	1.9637962	0.319155	$0.85045 \cdot 10^{-4}$	0.22287
	1.30	0.2021532	2.1060076	0.441692	$0.92627 \cdot 10^{-4}$	0.23470
	1.25	0.2254783	2.2922308	0.606090	$0.93695 \cdot 10^{-4}$	0.23825
	1.20	0.2448598	2.5462840	0.836470	$0.83599 \cdot 10^{-4}$	0.23480
	1.15	0.2601768	2.9132316	1.178256	$0.81949 \cdot 10^{-4}$	0.22553

α°	a	r	Z	R	E	S
	1.10	0.2713442	3.4898348	1.728618	$0.72274 \cdot 10^{-4}$	0.21156
	1.05	0.2783178	4.5283140	2.740223	$0.61829 \cdot 10^{-4}$	0.19396
	1.00	0.2810951	6.9573818	5.142254	$0.51527 \cdot 10^{-4}$	0.17372
	0.95	0.2797094	19.2572290	17.415379	$0.41955 \cdot 10^{-4}$	0.15180
	0.90	0.2742165	-16.8666180	-18.734411	$0.33425 \cdot 10^{-4}$	0.12906
	0.85	0.2646706	-5.0813180	-6.973834	$0.26049 \cdot 10^{-4}$	0.10627
	0.80	0.2510870	-2.6952821	-4.610898	$0.19806 \cdot 10^{-4}$	0.08414
70	1.40	0.1583503	1.8545717	0.240146	$0.19869 \cdot 10^{-3}$	0.22161
	1.35	0.1913248	1.9688359	0.338612	$0.23950 \cdot 10^{-3}$	0.24453
	1.30	0.2201171	2.1145821	0.465464	$0.26010 \cdot 10^{-3}$	0.25668
	1.25	0.2446076	2.3062878	0.635511	$0.26221 \cdot 10^{-3}$	0.25971
	1.20	0.2646917	2.5691601	0.874359	$0.24979 \cdot 10^{-3}$	0.25511
	1.15	0.2802940	2.9513524	1.230624	$0.22753 \cdot 10^{-3}$	0.24423
	1.10	0.2913782	3.5577307	1.809684	$0.19983 \cdot 10^{-3}$	0.22835
	1.05	0.2979528	4.6679927	2.891786	$0.17026 \cdot 10^{-3}$	0.20868
	1.00	0.3000697	7.3603625	5.555716	$0.14137 \cdot 10^{-3}$	0.18634
	0.95	0.2978157	23.4500440	21.617233	$0.11475 \cdot 10^{-3}$	0.16235
	0.90	0.2912957	-14.2462500	-16.106423	$0.91193 \cdot 10^{-4}$	0.13767
	0.85	0.2806059	-4.7708113	-6.657057	$0.70951 \cdot 10^{-4}$	0.11310
	0.80	0.2657925	-2.5898068	-4.500403	$0.53906 \cdot 10^{-4}$	0.08938
80	1.40	0.1765385	1.8576744	0.260405	$0.50581 \cdot 10^{-3}$	0.24811
	1.35	0.2121936	1.9746912	0.363492	$0.60634 \cdot 10^{-3}$	0.27266
	1.30	0.2429506	2.1247786	0.495619	$0.65600 \cdot 10^{-3}$	0.28506
	1.25	0.2687599	2.3233356	0.672639	$0.65856 \cdot 10^{-3}$	0.28729
	1.20	0.2895814	2.5973966	0.922119	$0.62450 \cdot 10^{-3}$	0.28107
	1.15	0.3054045	2.9992333	1.296937	$0.56610 \cdot 10^{-3}$	0.26801
	1.10	0.3162613	3.6447547	1.913660	$0.49476 \cdot 10^{-3}$	0.24959
	1.05	0.3222318	4.8524556	3.091470	$0.41958 \cdot 10^{-3}$	0.22721
	1.00	0.3234401	7.9279796	6.136693	$0.34691 \cdot 10^{-3}$	0.20213
	0.95	0.3200423	32.1114260	30.290090	$0.28057 \cdot 10^{-3}$	0.17551
	0.90	0.3122054	-11.9434630	-13.793996	$0.22237 \cdot 10^{-3}$	0.14836
	0.85	0.3000770	-4.4340047	-6.312338	$0.17270 \cdot 10^{-3}$	0.12156
90	1.35	0.2387424	1.9810643	0.394978	$0.14204 \cdot 10^{-2}$	0.30915
	1.30	0.2717430	2.1363685	0.533405	$0.15294 \cdot 10^{-2}$	0.32167
90	1.25	0.2989861	2.3433783	0.718887	$0.15277 \cdot 10^{-2}$	0.32265
	1.20	0.3205241	2.6315393	0.981598	$0.14410 \cdot 10^{-2}$	0.31417
	1.15	0.3364358	3.0586525	1.380132	$0.12989 \cdot 10^{-2}$	0.29814
	1.10	0.3468458	3.7558734	2.046513	$0.11289 \cdot 10^{-2}$	0.27634
	1.05	0.3519291	5.0978247	3.356238	$0.95223 \cdot 10^{-3}$	0.25040
	1.00	0.3519046	8.7543608	6.980010	$0.78357 \cdot 10^{-3}$	0.22178
	0.95	0.3470168	58.7842050	56.977341	$0.63123 \cdot 10^{-3}$	0.19179
	0.90	0.3375103	-9.9600968	-11.798518	$0.49881 \cdot 10^{-3}$	0.16154
	0.85	0.3235946	-4.0784326	-5.946853	$0.38672 \cdot 10^{-3}$	0.13195
100	1.35	0.2723055	1.9871590	0.434325	$0.31380 \cdot 10^{-2}$	0.35663
	1.30	0.3077913	2.1485517	0.580057	$0.33599 \cdot 10^{-2}$	0.36902
	1.25	0.3365298	2.3658408	0.775621	$0.33372 \cdot 10^{-2}$	0.36812
	1.20	0.3586948	2.6716782	1.054647	$0.31289 \cdot 10^{-2}$	0.35646
	1.15	0.3744814	3.1313800	1.483538	$0.28025 \cdot 10^{-2}$	0.33638
	1.10	0.3841344	3.8975853	2.216074	$0.24203 \cdot 10^{-2}$	0.31005
	1.05	0.3879540	5.4290461	3.712145	$0.20294 \cdot 10^{-2}$	0.27942
	1.00	0.3862818	10.0252630	8.272324	$0.16611 \cdot 10^{-2}$	0.24621
	0.95	0.3794751	-3689.86820	-3691.6569	$0.13324 \cdot 10^{-2}$	0.21191
	0.90	0.3678741	-8.2726263	-10.095890	$0.10497 \cdot 10^{-2}$	0.17773
110	1.30	0.3525107	2.1592931	0.636341	$0.70480 \cdot 10^{-2}$	0.43063
	1.25	0.3827601	2.3888056	0.843584	$0.69588 \cdot 10^{-2}$	0.42698
	1.20	0.4054036	2.7166368	1.142527	$0.64823 \cdot 10^{-2}$	0.41087
	1.15	0.4207728	3.2184765	1.610337	$0.57662 \cdot 10^{-2}$	0.38523
	1.10	0.4292642	4.0780515	2.432290	$0.49444 \cdot 10^{-2}$	0.35275
	1.05	0.4313408	5.8863708	4.200904	$0.41180 \cdot 10^{-2}$	0.31588
	1.00	0.4275050	12.1638240	10.437943	$0.33509 \cdot 10^{-2}$	0.27666
	0.95	0.4182586	-46.7645030	-48.530326	$0.26755 \cdot 10^{-2}$	0.23680
120	1.30	0.4071841	2.1640063	0.701524	$0.14248 \cdot 10^{-1}$	0.51152
	1.25	0.4389943	2.4074130	0.921653	$0.13994 \cdot 10^{-1}$	0.50403

α°	a	r	Z	R	E	S
	1.20	0.4619816	2.7621456	1.244379	$0.12952 \cdot 10^{-1}$	0.48171
	1.15	0.4766123	3.3184490	1.761995	$0.11436 \cdot 10^{-1}$	0.44833
	1.10	0.4834667	4.3064577	2.706795	$0.97282 \cdot 10^{-2}$	0.40741
	1.05	0.4832244	6.5384209	4.893091	$0.80406 \cdot 10^{-2}$	0.36206
	1.00	0.4766059	16.3871390	14.695491	$0.65001 \cdot 10^{-2}$	0.31484
130	1.25	0.5060946	2.4105118	1.004087	$0.27381 \cdot 10^{-1}$	0.60674
	1.20	0.5295386	2.7966766	1.353715	$0.25208 \cdot 10^{-1}$	0.57584
	1.15	0.5432420	3.4224453	1.933997	$0.22081 \cdot 10^{-1}$	0.53148
	1.10	0.5479996	4.5894512	3.049738	$0.18612 \cdot 10^{-1}$	0.47858
140	1.25	0.5834952	2.3737097	1.074844	$0.52612 \cdot 10^{-1}$	0.74767
	1.20	0.6084014	2.7916311	1.450124	$0.48350 \cdot 10^{-1}$	0.70536
	1.15	0.6215815	3.5013041	2.104231	$0.42012 \cdot 10^{-1}$	0.64491
$\Omega = 240^\circ$						
10	1.65	0.0524536	1.8265644	0.066361	$0.46580 \cdot 10^{-9}$	0.08063
	1.60	0.0814936	1.8996730	0.121145	$0.87261 \cdot 10^{-9}$	0.10794
	1.55	0.1079605	1.9894021	0.191724	$0.11816 \cdot 10^{-8}$	0.12351
	1.50	0.1315211	2.1021892	0.284629	$0.13461 \cdot 10^{-8}$	0.12979
	1.45	0.1518088	2.2483352	0.410292	$0.13707 \cdot 10^{-8}$	0.12864
	1.40	0.1684213	2.4454344	0.586496	$0.12852 \cdot 10^{-8}$	0.12155
	1.35	0.1809148	2.7262652	0.846257	$0.11269 \cdot 10^{-8}$	0.10986
	1.30	0.1887865	3.1597886	1.258834	$0.93092 \cdot 10^{-9}$	0.09476
	1.25	0.1914336	3.9204943	1.999069	$0.72508 \cdot 10^{-9}$	0.07741
	1.20	0.1880552	5.6174130	3.676398	$0.52847 \cdot 10^{-9}$	0.05894
	1.15	0.1774105	12.9127130	10.953444	$0.35239 \cdot 10^{-9}$	0.04048
	1.10	0.1571285	-16.0593270	-18.035006	$0.20224 \cdot 10^{-9}$	0.02325
	1.05	0.1209519	-3.5506150	-5.540247	$0.80564 \cdot 10^{-10}$	0.00873
20	1.60	0.0832529	1.8999090	0.122871	$0.57379 \cdot 10^{-7}$	0.11032
	1.55	0.1102228	1.9898879	0.193990	$0.77747 \cdot 10^{-7}$	0.12619
	1.50	0.1341941	2.1030587	0.287434	$0.88588 \cdot 10^{-7}$	0.13256
	1.45	0.1547988	2.2497835	0.413718	$0.90196 \cdot 10^{-7}$	0.13132
	1.40	0.1716344	2.4477743	0.590755	$0.84534 \cdot 10^{-7}$	0.12404
	1.35	0.1842572	2.7300594	0.851832	$0.74083 \cdot 10^{-7}$	0.11205
	1.30	0.1921659	3.1662190	1.266845	$0.61163 \cdot 10^{-7}$	0.09660
	1.25	0.1947589	3.9326732	2.012586	$0.47612 \cdot 10^{-7}$	0.07888
	1.20	0.1912350	5.6476024	3.707658	$0.34687 \cdot 10^{-7}$	0.06003
	1.15	0.1803469	13.1033460	11.144870	$0.23125 \cdot 10^{-7}$	0.04122
	1.10	0.1596995	-15.7295210	-17.704684	$0.13275 \cdot 10^{-7}$	0.02367
	1.05	0.1229468	-3.5326740	-5.522054	$0.52938 \cdot 10^{-8}$	0.00889
30	1.60	0.0862882	1.9002987	0.125852	$0.68389 \cdot 10^{-6}$	0.11445
	1.55	0.1141185	1.9906947	0.197889	$0.92752 \cdot 10^{-6}$	0.13082
	1.50	0.1387891	2.1045101	0.292251	$0.10572 \cdot 10^{-5}$	0.13733
	1.45	0.1599311	2.2522123	0.419583	$0.10761 \cdot 10^{-5}$	0.13596
	1.40	0.1771420	2.4517149	0.598029	$0.10080 \cdot 10^{-5}$	0.12832
	1.35	0.1899799	2.7364753	0.861339	$0.88255 \cdot 10^{-6}$	0.11582
	1.30	0.1979462	3.1771369	1.280506	$0.72792 \cdot 10^{-6}$	0.09977
	1.25	0.2004422	3.9534524	2.035686	$0.56610 \cdot 10^{-6}$	0.08140
	1.20	0.1966663	5.6995143	3.761426	$0.41213 \cdot 10^{-6}$	0.06191
	1.15	0.1853609	13.4401130	11.483011	$0.27468 \cdot 10^{-6}$	0.04249
	1.10	0.1640899	-15.1990340	-17.173300	$0.15775 \cdot 10^{-6}$	0.02439
	1.05	0.1263564	-3.5025555	-5.491498	$0.63021 \cdot 10^{-7}$	0.00916
40	1.60	0.0907640	1.9008324	0.130251	$0.40959 \cdot 10^{-5}$	0.12055
	1.55	0.1198455	1.9918112	0.203619	$0.55617 \cdot 10^{-5}$	0.13767
	1.50	0.1455263	2.1065370	0.299297	$0.63416 \cdot 10^{-5}$	0.14439
	1.45	0.1674389	2.2556322	0.428124	$0.64532 \cdot 10^{-5}$	0.14279
	1.40	0.1851831	2.4573042	0.608584	$0.60391 \cdot 10^{-5}$	0.13462
	1.35	0.1983207	2.7456371	0.875102	$0.52812 \cdot 10^{-5}$	0.12137
	1.30	0.2063586	3.1928336	1.300281	$0.43498 \cdot 10^{-5}$	0.10443
	1.25	0.2087035	3.9835625	2.069244	$0.33784 \cdot 10^{-5}$	0.08511
	1.20	0.2045548	5.7756752	3.840343	$0.24571 \cdot 10^{-5}$	0.06466
	1.15	0.1926403	13.9559170	12.000856	$0.16371 \cdot 10^{-5}$	0.04434
	1.10	0.1704654	-14.4945140	-16.467446	$0.94081 \cdot 10^{-6}$	0.02545
	1.05	0.1313144	-3.4599512	-5.448240	$0.37685 \cdot 10^{-6}$	0.00956

α°	a	r	Z	R	E	S	
50	1.60	0.0969310	1.9014859	0.136315	$0.16973 \cdot 10^{-4}$	0.12900	
	1.55	0.1277020	1.9932044	0.211470	$0.23077 \cdot 10^{-4}$	0.14714	
	1.50	0.1547351	2.1091071	0.308888	$0.26323 \cdot 10^{-4}$	0.15412	
	1.45	0.1776695	2.2600281	0.439678	$0.26774 \cdot 10^{-4}$	0.15221	
	1.40	0.1961115	2.4645747	0.622789	$0.25028 \cdot 10^{-4}$	0.14329	
	1.35	0.2096312	2.7576832	0.893566	$0.21852 \cdot 10^{-4}$	0.12900	
	1.30	0.2177448	3.2136875	1.326818	$0.16967 \cdot 10^{-4}$	0.11083	
	1.25	0.2198686	4.0240339	2.114516	$0.13932 \cdot 10^{-4}$	0.09019	
	1.20	0.2152048	5.8798902	3.948392	$0.10120 \cdot 10^{-4}$	0.06844	
	1.15	0.2024636	14.7073660	12.755145	$0.67400 \cdot 10^{-5}$	0.04688	
60	1.10	0.1790727	-13.6494270	-15.620500	$0.38773 \cdot 10^{-5}$	0.02690	
	1.05	0.1380214	-3.4044673	-5.391840	$0.15587 \cdot 10^{-5}$	0.01012	
	1.60	0.1051474	1.9022048	0.144394	$0.56128 \cdot 10^{-4}$	0.14038	
	1.55	0.1381079	1.9947935	0.221837	$0.76400 \cdot 10^{-4}$	0.15982	
	1.50	0.1668741	2.1121250	0.321445	$0.87174 \cdot 10^{-4}$	0.16713	
	1.45	0.1911032	2.2653136	0.454681	$0.88620 \cdot 10^{-4}$	0.16478	
	1.40	0.2104157	2.4734900	0.641106	$0.82731 \cdot 10^{-4}$	0.15485	
	1.35	0.2243960	2.7727068	0.917281	$0.72100 \cdot 10^{-4}$	0.13915	
	1.30	0.2325761	3.2401056	1.360921	$0.59156 \cdot 10^{-4}$	0.11932	
	1.25	0.2343869	4.0761707	2.173136	$0.45780 \cdot 10^{-4}$	0.09693	
60	1.20	0.2290377	6.0175162	4.091194	$0.33208 \cdot 10^{-4}$	0.07343	
	1.15	0.2152180	15.7910940	13.842708	$0.22109 \cdot 10^{-4}$	0.05024	
	1.10	0.1902565	-12.7010820	-14.669638	$0.12737 \cdot 10^{-4}$	0.02882	
	1.05	0.1467605	-3.3356679	-5.321794	$0.51449 \cdot 10^{-5}$	0.01085	
	70	1.60	0.1159060	1.9028731	0.154957	$0.15985 \cdot 10^{-3}$	0.15537
		1.55	0.1516284	1.9963998	0.235233	$0.21774 \cdot 10^{-3}$	0.17655
		1.50	0.1825533	2.1153631	0.337483	$0.24850 \cdot 10^{-3}$	0.18426
		1.45	0.2083748	2.2712419	0.473637	$0.25246 \cdot 10^{-3}$	0.18132
		1.40	0.2287397	2.4838380	0.664044	$0.23535 \cdot 10^{-3}$	0.17003
		1.35	0.2432550	2.7906329	0.946827	$0.20468 \cdot 10^{-3}$	0.15246
1.30		0.2514759	3.2723923	1.403468	$0.16754 \cdot 10^{-3}$	0.13044	
1.25		0.2528558	4.1414467	2.247056	$0.12937 \cdot 10^{-3}$	0.10574	
1.20		0.2466158	6.1957809	4.276354	$0.93704 \cdot 10^{-4}$	0.07995	
1.15		0.2314231	17.3781990	15.434927	$0.62371 \cdot 10^{-4}$	0.05464	
80	1.10	0.2044838	-11.6877430	-13.652934	$0.36002 \cdot 10^{-4}$	0.03132	
	1.05	0.1579198	-3.2531425	-5.237587	$0.14633 \cdot 10^{-4}$	0.01182	
	1.55	0.1689935	1.9976499	0.252272	$0.55882 \cdot 10^{-3}$	0.19853	
	1.50	0.2025483	2.1183272	0.357572	$0.63779 \cdot 10^{-3}$	0.20674	
	1.45	0.2302887	2.2772349	0.497043	$0.64764 \cdot 10^{-3}$	0.20298	
	1.40	0.2519018	2.4950226	0.692039	$0.60291 \cdot 10^{-3}$	0.18991	
	1.35	0.2670259	2.8109727	0.982662	$0.52325 \cdot 10^{-3}$	0.16985	
	1.30	0.2752471	3.3104642	1.455199	$0.42724 \cdot 10^{-3}$	0.14496	
	1.25	0.2760497	4.2212100	2.338312	$0.32913 \cdot 10^{-3}$	0.11721	
	1.20	0.2686742	6.4240243	4.513759	$0.23801 \cdot 10^{-3}$	0.08844	
90	1.15	0.2517648	19.7938600	17.857388	$0.15843 \cdot 10^{-3}$	0.06034	
	1.10	0.2223778	-10.6462170	-12.606915	$0.91697 \cdot 10^{-4}$	0.03459	
	1.05	0.1720271	-3.1566003	-5.138778	$0.37565 \cdot 10^{-4}$	0.01308	
	1.55	0.1910884	1.9977969	0.273599	$0.13284 \cdot 10^{-2}$	0.22742	
	1.50	0.2277872	2.1200079	0.382209	$0.15164 \cdot 10^{-2}$	0.23628	
	1.45	0.2578092	2.2820605	0.525206	$0.15397 \cdot 10^{-2}$	0.23147	
	1.40	0.2808957	2.5056632	0.725198	$0.14321 \cdot 10^{-2}$	0.21603	
	1.35	0.2967183	2.8323347	1.024761	$0.12406 \cdot 10^{-2}$	0.19270	
	1.30	0.3048970	3.3532501	1.516240	$0.10105 \cdot 10^{-2}$	0.16399	
	1.25	0.3049549	4.3159475	2.448388	$0.77658 \cdot 10^{-3}$	0.13223	
100	1.20	0.2961618	6.7134565	4.815413	$0.56075 \cdot 10^{-3}$	0.09953	
	1.15	0.2771402	23.7278410	21.800451	$0.37340 \cdot 10^{-3}$	0.06781	
	1.10	0.2447675	-9.6101144	-11.564784	$0.21691 \cdot 10^{-3}$	0.03887	
	1.05	0.1898001	-3.0460010	-5.025098	$0.89757 \cdot 10^{-4}$	0.01476	
	1.50	0.2592544	2.1184338	0.411532	$0.34014 \cdot 10^{-2}$	0.27533	
	1.45	0.2919846	2.2832413	0.557841	$0.34580 \cdot 10^{-2}$	0.26924	

α°	a	r	Z	R	E	S
	1.40	0.3168448	2.5128396	0.762756	$0.32172 \cdot 10^{-2}$	0.25076
	1.35	0.3335202	2.8514690	1.071874	$0.27841 \cdot 10^{-2}$	0.22310
	1.30	0.3416523	3.3974498	1.585051	$0.22631 \cdot 10^{-2}$	0.18929
	1.25	0.3408056	4.4235597	2.576658	$0.17354 \cdot 10^{-2}$	0.15216
	1.20	0.3302918	7.0752058	5.193616	$0.12514 \cdot 10^{-2}$	0.11423
	1.15	0.3087199	30.9155690	29.000427	$0.83403 \cdot 10^{-3}$	0.07770
	1.10	0.2727580	-8.6089028	-10.555392	$0.48687 \cdot 10^{-3}$	0.04456
	1.05	0.2122240	-2.9217264	-4.896580	$0.20403 \cdot 10^{-3}$	0.01701
110	1.50	0.2977192	2.1099372	0.444750	$0.72796 \cdot 10^{-2}$	0.32739
	1.45	0.3337191	2.2760262	0.593307	$0.74318 \cdot 10^{-2}$	0.32002
	1.40	0.3608438	2.5107061	0.802027	$0.69349 \cdot 10^{-2}$	0.29774
	1.35	0.3787157	2.8614279	1.120056	$0.60059 \cdot 10^{-2}$	0.26436
	1.30	0.3869421	3.4350038	1.656243	$0.48763 \cdot 10^{-2}$	0.22366
	1.25	0.3851146	4.5354365	2.716751	$0.37320 \cdot 10^{-2}$	0.17921
	1.20	0.3726062	7.5131161	5.653993	$0.26881 \cdot 10^{-2}$	0.13415
	1.15	0.3480342	47.2118920	45.313509	$0.17941 \cdot 10^{-2}$	0.09110
110	1.10	0.3078360	-7.6677979	-9.603013	$0.10540 \cdot 10^{-2}$	0.05232
	1.05	0.2406741	-2.7847991	-4.753695	$0.44882 \cdot 10^{-3}$	0.02012
120	1.45	0.3832048	2.2518128	0.627327	$0.15410 \cdot 10^{-1}$	0.38940
	1.40	0.4135316	2.4881096	0.836551	$0.14501 \cdot 10^{-1}$	0.36288
	1.35	0.4334265	2.8481294	1.159874	$0.12615 \cdot 10^{-1}$	0.32210
	1.30	0.4422921	3.4480265	1.716153	$0.10249 \cdot 10^{-1}$	0.27192
	1.25	0.4396801	4.6277653	2.848413	$0.78328 \cdot 10^{-2}$	0.21716
	1.20	0.4250528	8.0013722	6.173556	$0.56355 \cdot 10^{-2}$	0.16204
	1.15	0.3970987	111.1333700	109.258390	$0.37682 \cdot 10^{-2}$	0.10987
	1.10	0.3520338	-6.8087713	-8.728111	$0.22313 \cdot 10^{-2}$	0.06324
	1.05	0.2771207	-2.6371654	-4.597482	$0.96953 \cdot 10^{-3}$	0.02459
130	1.40	0.4739668	2.4252110	0.853439	$0.29656 \cdot 10^{-1}$	0.45610
	1.35	0.4978475	2.7844457	1.171749	$0.26131 \cdot 10^{-1}$	0.40648
	1.30	0.5089450	3.3991137	1.734536	$0.21331 \cdot 10^{-1}$	0.34309
	1.25	0.5064948	4.6432121	2.920398	$0.16289 \cdot 10^{-1}$	0.27315
	1.20	0.4900712	8.4221837	6.639306	$0.11698 \cdot 10^{-1}$	0.20304
	1.15	0.4586018	-315.01124	-316.852600	$0.78337 \cdot 10^{-2}$	0.13744
	1.10	0.4081976	-6.0535276	-7.949852	$0.46825 \cdot 10^{-2}$	0.07939
	1.05	0.3244895	-2.4820900	-4.429628	$0.20870 \cdot 10^{-2}$	0.03138
140	1.35	0.5687325	2.6231167	1.120953	$0.54076 \cdot 10^{-1}$	0.53698
	1.30	0.5863957	3.2153065	1.651803	$0.44864 \cdot 10^{-1}$	0.45621
	1.25	0.5872169	4.4571595	2.819799	$0.34300 \cdot 10^{-1}$	0.36251
	1.20	0.5706049	8.4249124	6.709662	$0.24517 \cdot 10^{-1}$	0.26801
	1.15	0.5361864	-79.2278540	-81.018787	$0.16400 \cdot 10^{-1}$	0.18083
	1.10	0.4804464	-5.4318701	-7.293427	$0.98997 \cdot 10^{-2}$	0.10497
	1.05	0.3873424	-2.3249080	-4.252516	$0.45558 \cdot 10^{-2}$	0.04249
150	1.25	0.6799355	3.8395468	2.343844	$0.76300 \cdot 10^{-1}$	0.52583
	1.20	0.6694287	7.2848127	5.680657	$0.53871 \cdot 10^{-1}$	0.38499
	1.10	0.5749834	-5.0115865	-6.817166	$0.21608 \cdot 10^{-1}$	0.14985
	1.05	0.4732517	-2.1751266	-4.069496	$0.10345 \cdot 10^{-1}$	0.06282
$\Omega = 270^\circ$						
10	1.75	0.0600453	1.9695464	0.088097	$0.71595 \cdot 10^{-9}$	0.06985
	1.70	0.0854450	2.0584298	0.158676	$0.98549 \cdot 10^{-9}$	0.07654
	1.65	0.1061072	2.1777497	0.259205	$0.10155 \cdot 10^{-8}$	0.07215
	1.60	0.1207491	2.3474943	0.409970	$0.86001 \cdot 10^{-9}$	0.06026
	1.55	0.1273924	2.6119337	0.655658	$0.60618 \cdot 10^{-9}$	0.04369
	1.50	0.1223609	3.0974704	1.123262	$0.33294 \cdot 10^{-9}$	0.02514
	1.45	0.0955418	4.4389398	2.448497	$0.10023 \cdot 10^{-9}$	0.00784
20	1.75	0.0613713	1.9696586	0.089270	$0.47187 \cdot 10^{-7}$	0.07146
	1.70	0.0872816	2.0587076	0.160234	$0.65062 \cdot 10^{-7}$	0.07829
	1.65	0.1083265	2.1782996	0.261073	$0.67107 \cdot 10^{-7}$	0.07380
	1.60	0.1232069	2.3484778	0.412157	$0.56851 \cdot 10^{-7}$	0.06163
	1.55	0.1299186	2.6136394	0.658336	$0.40071 \cdot 10^{-7}$	0.04468
	1.50	0.1247328	3.1005645	1.127010	$0.22008 \cdot 10^{-7}$	0.02571
	1.45	0.0973711	4.4460675	2.455908	$0.66289 \cdot 10^{-8}$	0.00802
30	1.75	0.0636601	1.9698335	0.091296	$0.56456 \cdot 10^{-6}$	0.07423

α°	a	r	Z	R	E	S
	1.70	0.0904457	2.0591488	0.162912	$0.78064 \cdot 10^{-6}$	0.08134
	1.65	0.1121451	2.1791865	0.264265	$0.80645 \cdot 10^{-6}$	0.07666
	1.60	0.1274325	2.3500850	0.415872	$0.68364 \cdot 10^{-6}$	0.06401
	1.55	0.1342601	2.6164573	0.662856	$0.48191 \cdot 10^{-6}$	0.04640
	1.50	0.1288097	3.1057247	1.133318	$0.26468 \cdot 10^{-6}$	0.02670
	1.45	0.1005184	4.4580614	2.468401	$0.79800 \cdot 10^{-7}$	0.00833
40	1.75	0.0670370	1.9700477	0.094284	$0.33994 \cdot 10^{-5}$	0.07835
	1.70	0.0951000	2.0597102	0.166834	$0.47189 \cdot 10^{-5}$	0.08585
	1.65	0.1177512	2.1803505	0.268898	$0.48863 \cdot 10^{-5}$	0.08092
	1.60	0.1336294	2.3522467	0.421212	$0.41465 \cdot 10^{-5}$	0.06756
	1.55	0.1406247	2.6203239	0.669294	$0.29238 \cdot 10^{-5}$	0.04896
	1.50	0.1347887	3.1129242	1.142255	$0.16062 \cdot 10^{-5}$	0.02817
	1.45	0.1051422	4.4750527	2.486150	$0.48503 \cdot 10^{-6}$	0.00880
50	1.75	0.0716918	1.9702549	0.098399	$0.14183 \cdot 10^{-4}$	0.08408
	1.70	0.1014880	2.0603063	0.172178	$0.19786 \cdot 10^{-4}$	0.09214
	1.65	0.1254261	2.1816694	0.275133	$0.20553 \cdot 10^{-4}$	0.08686
	1.60	0.1421029	2.3548157	0.428296	$0.17471 \cdot 10^{-4}$	0.07251
	1.55	0.1493262	2.6250875	0.677719	$0.12327 \cdot 10^{-4}$	0.05255
	1.50	0.1429706	3.1220489	1.153860	$0.67763 \cdot 10^{-5}$	0.03025
	1.45	0.1114873	4.4971212	2.509308	$0.20514 \cdot 10^{-5}$	0.00946
60	1.75	0.0778926	1.9703675	0.103868	$0.47285 \cdot 10^{-4}$	0.09181
	1.70	0.1099480	2.0607727	0.179179	$0.66355 \cdot 10^{-4}$	0.10064
	1.65	0.1355595	2.1829046	0.283161	$0.69225 \cdot 10^{-4}$	0.09490
	1.60	0.1532791	2.3574936	0.437234	$0.58997 \cdot 10^{-4}$	0.07926
	1.55	0.1608084	2.6304159	0.688143	$0.41687 \cdot 10^{-4}$	0.05746
	1.50	0.1537878	3.1327803	1.168059	$0.22945 \cdot 10^{-4}$	0.03309
	1.45	0.1199142	4.5241281	2.537848	$0.69731 \cdot 10^{-5}$	0.01038
70	1.75	0.0860002	1.9702203	0.110988	$0.13590 \cdot 10^{-3}$	0.10210
	1.70	0.1209244	2.0607996	0.188112	$0.19200 \cdot 10^{-3}$	0.11199
	1.65	0.1486632	2.1835998	0.293162	$0.10147 \cdot 10^{-3}$	0.10571
	1.60	0.1677266	2.3596941	0.448059	$0.17241 \cdot 10^{-3}$	0.08837
	1.55	0.1756779	2.6356216	0.700406	$0.12215 \cdot 10^{-3}$	0.06413
	1.50	0.1678480	3.1443607	1.184481	$0.67411 \cdot 10^{-4}$	0.03699
	1.45	0.1309455	4.5553710	2.571251	$0.20608 \cdot 10^{-4}$	0.01165
80	1.70	0.1349623	2.0598113	0.199251	$0.50120 \cdot 10^{-3}$	0.12712
	1.65	0.1653698	2.1828988	0.305231	$0.53013 \cdot 10^{-3}$	0.12025
	1.60	0.1861720	2.3602926	0.460587	$0.45668 \cdot 10^{-3}$	0.10075
	1.55	0.1947435	2.6393321	0.713959	$0.32516 \cdot 10^{-3}$	0.07328
	1.50	0.1859967	3.1551978	1.202110	$0.18027 \cdot 10^{-3}$	0.04239
	1.45	0.1453447	4.5888721	2.607838	$0.55611 \cdot 10^{-4}$	0.01344
90	1.70	0.1526523	2.0567647	0.212763	$0.12128 \cdot 10^{-2}$	0.14737
	1.65	0.1863820	2.1792305	0.319191	$0.12976 \cdot 10^{-2}$	0.13999
	1.60	0.2094827	2.3571749	0.474148	$0.11299 \cdot 10^{-2}$	0.11783
	1.55	0.2190511	2.6388739	0.727436	$0.81155 \cdot 10^{-3}$	0.08609
	1.50	0.2094088	3.1619153	1.218588	$0.45362 \cdot 10^{-3}$	0.05008
	1.45	0.1642499	4.6198858	2.643373	$0.14189 \cdot 10^{-3}$	0.01604
100	1.65	0.2122953	2.1698146	0.334284	$0.30073 \cdot 10^{-2}$	0.16720
	1.60	0.2385505	2.3464689	0.487096	$0.26654 \cdot 10^{-2}$	0.14195
	1.55	0.2498763	2.6291398	0.737869	$0.19441 \cdot 10^{-2}$	0.10463
	1.50	0.2397110	3.1577586	1.228855	$0.11020 \cdot 10^{-2}$	0.06146
	1.45	0.1894159	4.6377403	2.668111	$0.35224 \cdot 10^{-3}$	0.02003
110	1.65	0.2431351	2.1500797	0.348682	$0.66574 \cdot 10^{-2}$	0.20523
	1.60	0.2739017	2.3214164	0.496078	$0.60778 \cdot 10^{-2}$	0.17708
	1.55	0.2885475	2.6006346	0.739369	$0.45552 \cdot 10^{-2}$	0.13271
	1.50	0.2791090	3.1293023	1.222583	$0.26458 \cdot 10^{-2}$	0.07937
	1.45	0.2236702	4.6190514	2.660494	$0.87531 \cdot 10^{-3}$	0.02663
120	1.60	0.3146355	2.2715049	0.495391	$0.13469 \cdot 10^{-1}$	0.22972
	1.55	0.3356532	2.5367735	0.721481	$0.10601 \cdot 10^{-1}$	0.17767
	1.50	0.3302989	3.0506463	1.179904	$0.64354 \cdot 10^{-2}$	0.10992
	1.45	0.2717884	4.5134374	2.574165	$0.22553 \cdot 10^{-2}$	0.03887
130	1.50	0.3948996	2.8762383	1.067620	$0.16309 \cdot 10^{-1}$	0.16783
	1.45	0.3418927	4.2174343	2.315884	$0.63508 \cdot 10^{-2}$	0.06566
140	1.45	0.4426247	2.5616065	1.746245	$0.21102 \cdot 10^{-1}$	0.12068

Геометричні параметри прямолінійно напрямного механізму Чебишева

Ω°	α°	a	r	E	S	L	
180	5	0.7503582	0.2502679	$0.18626 \cdot 10^{-8}$	0.20469	0.07560	
	10	0.7503582	0.2510733	$0.93132 \cdot 10^{-9}$	0.20545	0.15132	
	15	0.7508076	0.2524216	$0.84983 \cdot 10^{-8}$	0.20673	0.22729	
	20	0.7514408	0.2543219	$0.48894 \cdot 10^{-7}$	0.20852	0.30364	
	25	0.7522632	0.2567887	$0.18964 \cdot 10^{-6}$	0.21086	0.38050	
	30	0.7532787	0.2598334	$0.57591 \cdot 10^{-6}$	0.23176	0.45800	
	35	0.7544941	0.2634819	$0.14816 \cdot 10^{-5}$	0.21724	0.53626	
	40	0.7559920	0.2677574	$0.33799 \cdot 10^{-5}$	0.22135	0.61541	
	45	0.7575634	0.2726896	$0.70360 \cdot 10^{-5}$	0.22611	0.69560	
	50	0.7594379	0.2783127	$0.13639 \cdot 10^{-4}$	0.23157	0.77694	
	55	0.7615558	0.2846665	$0.24973 \cdot 10^{-4}$	0.23778	0.85958	
	60	0.7639324	0.2917959	$0.43645 \cdot 10^{-4}$	0.24482	0.94364	
	65	0.7665851	0.2997527	$0.73395 \cdot 10^{-4}$	0.25274	1.02927	
	70	0.7695316	0.3085946	$0.11950 \cdot 10^{-3}$	0.26163	1.11660	
	75	0.7727962	0.3103873	$0.18932 \cdot 10^{-3}$	0.27159	1.20576	
80	0.7764019	0.3292039	$0.29303 \cdot 10^{-3}$	0.28274	1.29687		
85	0.7803760	0.3411269	$0.44455 \cdot 10^{-3}$	0.29520	1.39006		
90	0.7847500	0.3542486	$0.66287 \cdot 10^{-3}$	0.30913	1.48544		
95	0.7895580	0.3696711	$0.97375 \cdot 10^{-3}$	0.32472	1.58311		
100	0.7948368	0.3845097	$0.14120 \cdot 10^{-2}$	0.34217	1.68316		
190	5	0.8017162	0.2485992	$0.11642 \cdot 10^{-9}$	0.17581	0.07380	
	10	0.8019726	0.2494283	$0.81491 \cdot 10^{-9}$	0.17650	0.14772	
	15	0.8024021	0.2508167	$0.82655 \cdot 10^{-8}$	0.17765	0.22191	
	20	0.8030087	0.2527738	$0.47730 \cdot 10^{-7}$	0.17928	0.29648	
	25	0.8037945	0.2553135	$0.18429 \cdot 10^{-6}$	0.18140	0.37157	
	30	0.8047665	0.2584536	$0.56054 \cdot 10^{-6}$	0.18403	0.44731	
	35	0.8059299	0.2622163	$0.14436 \cdot 10^{-5}$	0.18720	0.52383	
	40	0.8072941	0.2666283	$0.32996 \cdot 10^{-5}$	0.19094	0.60127	
	45	0.8088673	0.2717215	$0.68801 \cdot 10^{-5}$	0.19528	0.67976	
	50	0.8106617	0.2775326	$0.13361 \cdot 10^{-4}$	0.20026	0.75945	
	55	0.8126881	0.2841041	$0.24511 \cdot 10^{-4}$	0.20595	0.84046	
	60	0.8149640	0.2914848	$0.42929 \cdot 10^{-4}$	0.21340	0.92294	
	65	0.8175070	0.2997297	$0.72362 \cdot 10^{-4}$	0.21968	1.00702	
	200	5	0.8562077	0.2431715	$0.23283 \cdot 10^{-9}$	0.14500	0.07086
		10	0.8564472	0.2440159	$0.81491 \cdot 10^{-9}$	0.14560	0.14185
15		0.8568485	0.2454300	$0.80327 \cdot 10^{-8}$	0.14661	0.21310	
20		0.8574131	0.2474243	$0.46566 \cdot 10^{-7}$	0.14804	0.28474	
25		0.8581463	0.2500134	$0.17369 \cdot 10^{-6}$	0.14989	0.35691	
30		0.8590534	0.2532163	$0.52922 \cdot 10^{-6}$	0.15220	0.42974	
35		0.8601383	0.2570568	$0.13652 \cdot 10^{-5}$	0.15499	0.50336	
40		0.8614117	0.2615636	$0.31239 \cdot 10^{-5}$	0.15827	0.57791	
45		0.8628796	0.2667708	$0.65253 \cdot 10^{-5}$	0.16210	0.65354	
50		0.8645542	0.2727170	$0.12701 \cdot 10^{-4}$	0.16650	0.73038	
55		0.8664463	0.2794506	$0.23353 \cdot 10^{-4}$	0.17154	0.80856	
60		0.8685688	0.2870211	$0.41009 \cdot 10^{-4}$	0.17727	0.88825	
65		0.8709370	0.2954887	$0.69324 \cdot 10^{-4}$	0.18375	0.96957	
70		0.8735684	0.3049207	$0.11351 \cdot 10^{-3}$	0.19107	1.05266	
75		0.8764805	0.3153926	$0.18094 \cdot 10^{-3}$	0.19932	1.13768	
80	0.8796932	0.3269890	$0.28189 \cdot 10^{-3}$	0.20861	1.22474		
85	0.8832302	0.3398049	$0.43066 \cdot 10^{-3}$	0.21908	1.31397		
90	0.8871151	0.3639461	$0.64695 \cdot 10^{-3}$	0.23088	1.40550		
95	0.8913746	0.3695299	$0.95786 \cdot 10^{-3}$	0.24418	1.49941		
210	5	0.9142442	0.2332629	$0.23283 \cdot 10^{-9}$	0.11343	0.06664	
	10	0.9144603	0.2341107	$0.18626 \cdot 10^{-8}$	0.11394	0.13341	
	15	0.9148217	0.2355309	$0.69849 \cdot 10^{-8}$	0.11478	0.20044	
	20	0.9153318	0.2375347	$0.40513 \cdot 10^{-7}$	0.11597	0.26787	
	25	0.9159931	0.2401374	$0.15832 \cdot 10^{-6}$	0.11753	0.33582	
	30	0.9168111	0.2433597	$0.48056 \cdot 10^{-6}$	0.11946	0.40443	
	35	0.9177907	0.2472267	$0.12361 \cdot 10^{-5}$	0.12180	0.47384	

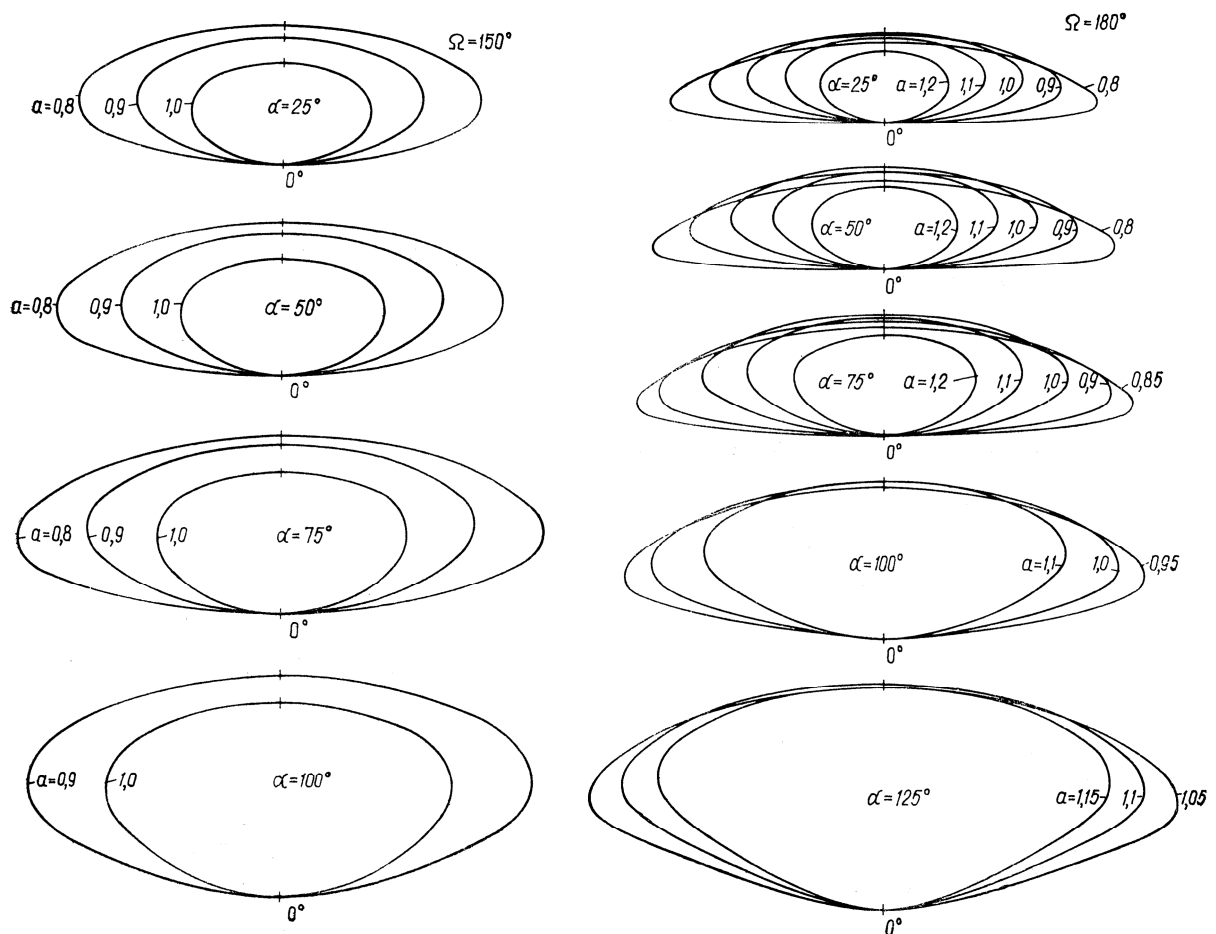
Ω°	α°	a	r	E	S	L
	40	0.9189320	0.2517692	$0.28338 \cdot 10^{-5}$	0.12457	0.54419
	45	0.9202644	0.2570236	$0.59307 \cdot 10^{-5}$	0.12779	0.61562
	50	0.9217761	0.2630324	$0.11578 \cdot 10^{-4}$	0.13152	0.68826
	55	0.9234841	0.2698445	$0.21352 \cdot 10^{-4}$	0.13579	0.76227
	60	0.9254006	0.2775163	$0.37618 \cdot 10^{-4}$	0.14066	0.83779
	65	0.9275388	0.2861116	$0.63812 \cdot 10^{-4}$	0.14620	0.91496
	70	0.9299136	0.2957029	$0.10489 \cdot 10^{-3}$	0.15247	0.99394
	75	0.9325410	0.3063720	$0.16789 \cdot 10^{-3}$	0.15958	1.07486
	80	0.9354386	0.3182106	$0.26274 \cdot 10^{-3}$	0.16761	1.15787
	85	0.9386253	0.3313214	$0.40333 \cdot 10^{-3}$	0.17671	1.24308
	90	0.9421208	0.3458190	$0.60901 \cdot 10^{-3}$	0.18701	1.33063
	95	0.9459469	0.3618307	$0.90657 \cdot 10^{-3}$	0.19871	1.42059
	100	0.9501246	0.3794978	$0.13332 \cdot 10^{-2}$	0.21200	1.51307
	105	0.9546760	0.3989757	$0.19400 \cdot 10^{-2}$	0.22714	1.60808
	110	0.9596211	0.4204353	$0.27976 \cdot 10^{-2}$	0.24445	1.70562
	115	0.9649783	0.4440629	$0.40036 \cdot 10^{-2}$	0.26431	1.80563
220	5	0.9767035	0.2179519	$0.18626 \cdot 10^{-8}$	0.08254	0.06097
	10	0.9768830	0.2187862	$0.34925 \cdot 10^{-9}$	0.08293	0.12207
	15	0.9772005	0.2201842	$0.58208 \cdot 10^{-8}$	0.08359	0.18342
	20	0.9776393	0.2221578	$0.59605 \cdot 10^{-7}$	0.08453	0.24516
	25	0.9782087	0.2247233	$0.13306 \cdot 10^{-6}$	0.08575	0.30742
	30	0.9789180	0.2279023	$0.40606 \cdot 10^{-6}$	0.08727	0.37034
	35	0.9797566	0.2317218	$0.10516 \cdot 10^{-5}$	0.08912	0.43404
	40	0.9807457	0.2362144	$0.24163 \cdot 10^{-5}$	0.09130	0.49867
	45	0.9818877	0.2414187	$0.50962 \cdot 10^{-5}$	0.09386	0.56436
	50	0.9831917	0.2473801	$0.99316 \cdot 10^{-5}$	0.09683	0.63113
	55	0.9846642	0.2541514	$0.18386 \cdot 10^{-4}$	0.10024	0.69953
	60	0.9863163	0.2617929	$0.32544 \cdot 10^{-4}$	0.10414	0.76930
	65	0.9881594	0.2703736	$0.55413 \cdot 10^{-4}$	0.10859	0.84073
	70	0.9902062	0.2799717	$0.91521 \cdot 10^{-4}$	0.11367	0.91397
	75	0.9924695	0.2906761	$0.14726 \cdot 10^{-3}$	0.11944	0.98916
	80	0.9949640	0.3025866	$0.23176 \cdot 10^{-3}$	0.12602	1.06645
	85	0.9977043	0.3158153	$0.35793 \cdot 10^{-3}$	0.13350	1.14599
	90	1.0007050	0.3304878	$0.54399 \cdot 10^{-3}$	0.14204	1.22788
	95	1.0039820	0.3467438	$0.81546 \cdot 10^{-3}$	0.15180	1.31224
	100	1.0075490	0.3647382	$0.12081 \cdot 10^{-2}$	0.16298	1.39915
	105	1.0114180	0.3846422	$0.17718 \cdot 10^{-2}$	0.17583	1.48864
	110	1.0155980	0.4066430	$0.25763 \cdot 10^{-2}$	0.19065	1.58070
	115	1.0200910	0.4309446	$0.37190 \cdot 10^{-2}$	0.20781	1.67524
	120	1.0248920	0.4577662	$0.53359 \cdot 10^{-2}$	0.22778	1.77210
	125	1.0299800	0.4873402	$0.76179 \cdot 10^{-2}$	0.25113	1.87097
230	5	1.0447450	0.1960394	$0.23283 \cdot 10^{-9}$	0.05400	0.05363
	10	1.0448940	0.1968355	$0.58208 \cdot 10^{-9}$	0.05428	0.10738
	15	1.0451430	0.1981702	$0.18626 \cdot 10^{-8}$	0.05475	0.16137
	20	1.045496	0.2000557	0.0000000	0.05541	0.21574
	25	1.045952	0.2025092	$0.10198 \cdot 10^{-6}$	0.05629	0.27060
	30	1.046518	0.2055530	$0.29802 \cdot 10^{-6}$	0.05738	0.32609
	35	1.047195	0.2092154	$0.81398 \cdot 10^{-6}$	0.05870	0.38234
	40	1.047990	0.2135307	$0.18720 \cdot 10^{-5}$	0.06027	0.43949
	45	1.048908	0.2185395	$0.39488 \cdot 10^{-5}$	0.06212	0.49766
230	50	1.049956	0.2242900	$0.77598 \cdot 10^{-5}$	0.06427	0.55701
	55	1.051140	0.2308379	$0.14424 \cdot 10^{-4}$	0.06675	0.61769
	60	1.052470	0.2382476	$0.25642 \cdot 10^{-4}$	0.06961	0.67983
	65	1.053953	0.2465934	$0.43938 \cdot 10^{-4}$	0.07209	0.74361
	70	1.055599	0.2559599	$0.73017 \cdot 10^{-4}$	0.07665	0.80917
	75	1.057419	0.2664434	$0.11828 \cdot 10^{-3}$	0.08095	0.87666
	80	1.059422	0.2781530	$0.18751 \cdot 10^{-3}$	0.08595	0.94625
	85	1.061620	0.2912122	$0.29188 \cdot 10^{-3}$	0.09157	1.01808
	90	1.064021	0.3057596	$0.44743 \cdot 10^{-3}$	0.09810	1.09229
	95	1.066635	0.3219508	$0.67689 \cdot 10^{-3}$	0.10563	1.16100
	100	1.069467	0.3399593	$0.10127 \cdot 10^{-2}$	0.11435	1.24829
	105	1.072519	0.3599774	$0.15008 \cdot 10^{-2}$	0.12448	1.33022
	110	1.075787	0.3822169	$0.22066 \cdot 10^{-2}$	0.13631	1.41480

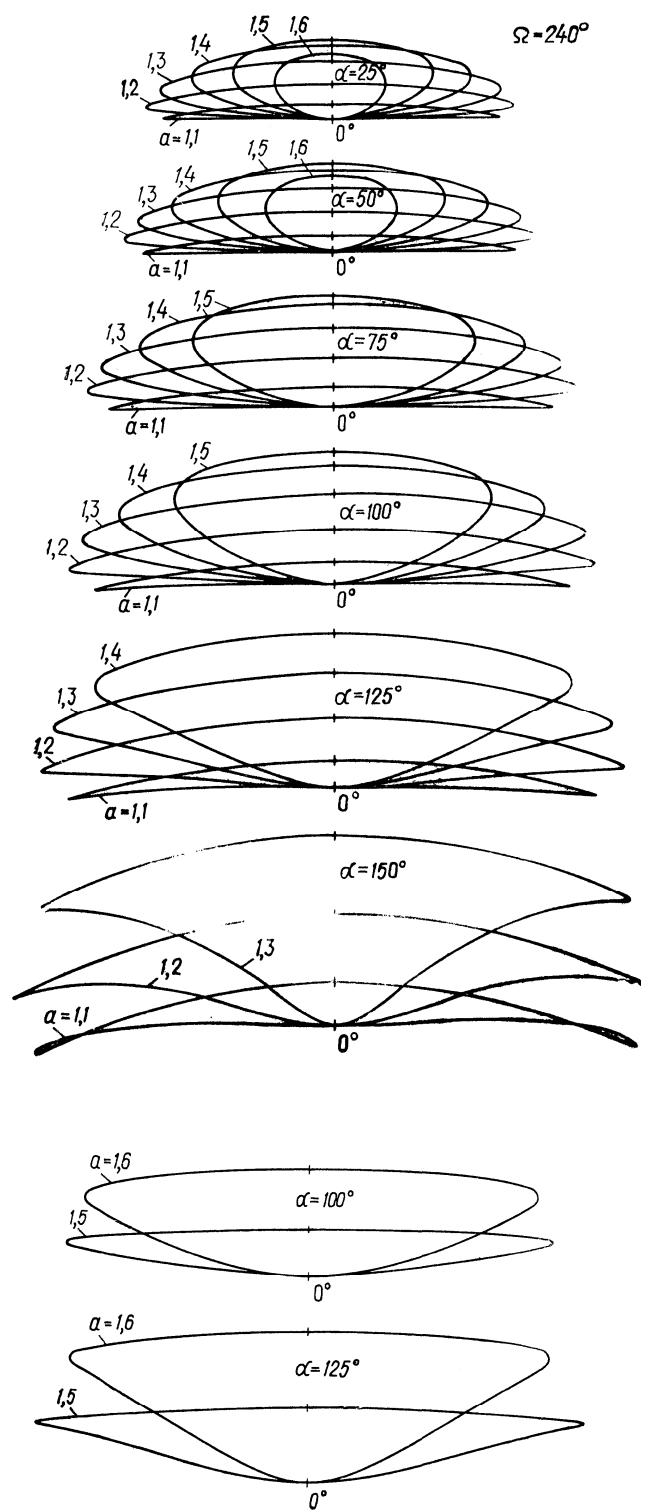
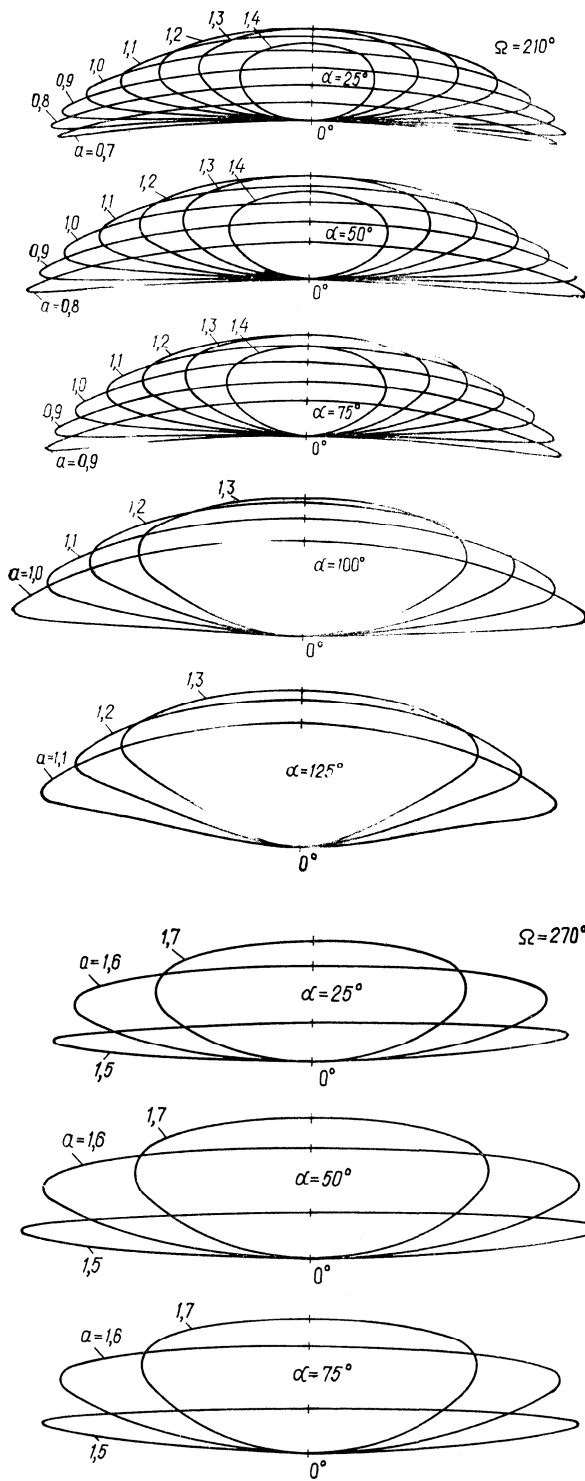
Ω°	α°	a	r	E	S	L
	115	1.079257	0.4069081	$0.32228 \cdot 10^{-2}$	0.15019	1.50192
	120	1.082903	0.4342998	$0.46814 \cdot 10^{-2}$	0.16655	1.59141
	125	1.086676	0.4646543	$0.67702 \cdot 10^{-2}$	0.18596	1.68294
	130	1.090501	0.4982433	$0.97579 \cdot 10^{-2}$	0.20914	1.77598
240	5	1.119916	0.1659328	$0.11642 \cdot 10^{-9}$	0.02975	0.04433
	10	1.120003	0.1668540	$0.34925 \cdot 10^{-9}$	0.02992	0.08876
	15	1.120202	0.1678640	$0.30268 \cdot 10^{-8}$	0.03021	0.13342
	20	1.120453	0.1695745	$0.16996 \cdot 10^{-7}$	0.03061	0.17843
	25	1.120780	0.1718035	$0.66706 \cdot 10^{-7}$	0.03114	0.22388
	30	1.121185	0.1745730	$0.20466 \cdot 10^{-6}$	0.03181	0.26991
	35	1.121671	0.1779121	$0.53342 \cdot 10^{-6}$	0.03262	0.31664
	40	1.122240	0.1818553	$0.12347 \cdot 10^{-5}$	0.03359	0.36420
	45	1.122899	0.1864446	$0.26141 \cdot 10^{-5}$	0.03473	0.41271
	50	1.123650	0.1917292	$0.51649 \cdot 10^{-5}$	0.03606	0.46232
	55	1.124499	0.1977669	$0.96603 \cdot 10^{-5}$	0.03762	0.51316
	60	1.125454	0.2046256	$0.17287 \cdot 10^{-4}$	0.03941	0.56538
	65	1.126518	0.2123832	$0.29839 \cdot 10^{-4}$	0.04149	0.61916
	70	1.127703	0.2211295	$0.49990 \cdot 10^{-4}$	0.04390	0.67463
	75	1.129008	0.2309684	$0.81700 \cdot 10^{-4}$	0.04668	0.73196
	80	1.130444	0.2420186	$0.13079 \cdot 10^{-3}$	0.04990	0.79132
	85	1.132016	0.2544154	$0.20579 \cdot 10^{-3}$	0.05364	0.85287
	90	1.133727	0.2683129	$0.31911 \cdot 10^{-3}$	0.05799	0.91677
	95	1.135580	0.2838862	$0.48885 \cdot 10^{-3}$	0.06309	0.98316
	100	1.137574	0.3013335	$0.74133 \cdot 10^{-3}$	0.06907	1.05217
	105	1.139700	0.3208757	$0.11148 \cdot 10^{-2}$	0.07613	1.12387
	110	1.141942	0.3427602	$0.16648 \cdot 10^{-2}$	0.08451	1.19831
	115	1.144270	0.3672596	$0.24722 \cdot 10^{-2}$	0.09451	1.27541
	120	1.146637	0.3946710	$0.36549 \cdot 10^{-2}$	0.10654	1.35502
	125	1.148969	0.4253117	$0.53849 \cdot 10^{-2}$	0.12110	1.43682
	130	1.151150	0.4595124	$0.79140 \cdot 10^{-2}$	0.13887	1.52023
250	5	1.204341	0.1254663	$0.11642 \cdot 10^{-9}$	0.01187	0.03268
	10	1.204402	0.1260559	$0.34925 \cdot 10^{-9}$	0.01194	0.06545
	15	1.204504	0.1270463	$0.12806 \cdot 10^{-8}$	0.01207	0.09841
	20	1.204649	0.1284483	$0.80327 \cdot 10^{-8}$	0.01225	0.13166
	25	1.204838	0.1302781	$0.31549 \cdot 10^{-7}$	0.01249	0.16528
	30	1.205071	0.1325572	$0.97672 \cdot 10^{-7}$	0.01279	0.19938
	35	1.205350	0.1353116	$0.25542 \cdot 10^{-6}$	0.01316	0.23406
	40	1.205679	0.1385743	$0.50395 \cdot 10^{-6}$	0.01360	0.26944
	45	1.206059	0.1423855	$0.12657 \cdot 10^{-5}$	0.01412	0.30563
	50	1.206493	0.1467925	$0.25181 \cdot 10^{-5}$	0.01474	0.34275
	55	1.206984	0.1518517	$0.47470 \cdot 10^{-5}$	0.01546	0.38093
	60	1.207536	0.1576294	$0.85705 \cdot 10^{-5}$	0.01630	0.42032
	65	1.208152	0.1642026	$0.14940 \cdot 10^{-4}$	0.01729	0.46104
250	70	1.208836	0.1716636	$0.25307 \cdot 10^{-4}$	0.01844	0.50327
	75	1.209590	0.1801176	$0.41859 \cdot 10^{-4}$	0.01979	0.54716
	80	1.210418	0.1896890	$0.67944 \cdot 10^{-4}$	0.02137	0.59289
	85	1.211324	0.2005214	$0.10851 \cdot 10^{-3}$	0.02325	0.64063
	90	1.212302	0.2127843	$0.17106 \cdot 10^{-3}$	0.02546	0.69058
	95	1.213352	0.2266705	$0.26684 \cdot 10^{-3}$	0.02811	0.74289
	100	1.214467	0.242405	$0.41274 \cdot 10^{-3}$	0.03128	0.79775
	105	1.215631	0.2602478	$0.63421 \cdot 10^{-3}$	0.03511	0.85529
	110	1.216820	0.2804923	$0.95958 \cdot 10^{-3}$	0.03978	0.91562
	115	1.217995	0.3034758	$0.14769 \cdot 10^{-2}$	0.04550	0.97878
	120	1.219092	0.3295732	$0.22439 \cdot 10^{-2}$	0.05259	1.04467
	125	1.220020	0.3591999	$0.34040 \cdot 10^{-2}$	0.06145	1.11307
	130	1.220636	0.3928032	$0.51607 \cdot 10^{-2}$	0.07264	1.18347
	135	1.220733	0.4308506	$0.78252 \cdot 10^{-2}$	0.08691	1.25506
260	5	1.300999	0.0716121	$0.11642 \cdot 10^{-9}$	0.00209	0.01816
	10	1.301099	0.0719808	$0.11642 \cdot 10^{-9}$	0.00211	0.02638
	15	1.301053	0.0726010	$0.18626 \cdot 10^{-8}$	0.00213	0.05472
	20	1.301101	0.0734806	$0.17462 \cdot 10^{-8}$	0.00217	0.07324
	25	1.301163	0.0746308	$0.65193 \cdot 10^{-8}$	0.00221	0.09200
260	30	1.301241	0.0760681	$0.20606 \cdot 10^{-7}$	0.00228	0.11107

Ω°	α°	a	r	E	S	L
	35	1.301333	0.0778107	$0.53900 \cdot 10^{-7}$	0.00235	0.13052
	40	1.301442	0.0798847	$0.12643 \cdot 10^{-6}$	0.00244	0.15042
	45	1.301569	0.0823199	$0.27183 \cdot 10^{-6}$	0.00255	0.17086
	50	1.301713	0.0851519	$0.54587 \cdot 10^{-6}$	0.00268	0.19191
	55	1.301877	0.0884249	$0.10401 \cdot 10^{-5}$	0.00283	0.21367
	60	1.302061	0.0921911	$0.19007 \cdot 10^{-5}$	0.00302	0.23625
	65	1.302266	0.0965142	$0.33602 \cdot 10^{-5}$	0.00323	0.25976
	70	1.302494	0.1014691	$0.57822 \cdot 10^{-5}$	0.00349	0.28431
	75	1.302745	0.1071461	$0.97379 \cdot 10^{-5}$	0.00380	0.31005
	80	1.303020	0.1136538	$0.16121 \cdot 10^{-4}$	0.00417	0.33713
	85	1.303318	0.1211236	$0.26336 \cdot 10^{-4}$	0.00461	0.36572
	90	1.303670	0.1297117	$0.42577 \cdot 10^{-4}$	0.00516	0.39599
	95	1.603973	0.1396066	$0.68323 \cdot 10^{-4}$	0.00582	0.42815
	100	1.304318	0.1510389	$0.10909 \cdot 10^{-3}$	0.00666	0.46240
	105	1.304661	0.1642839	$0.17368 \cdot 10^{-3}$	0.00770	0.49896
	110	1.304982	0.1796712	$0.27624 \cdot 10^{-3}$	0.00903	0.53804
	115	1.305243	0.1976053	$0.43972 \cdot 10^{-3}$	0.01074	0.57984
	120	1.305395	0.2185622	$0.70153 \cdot 10^{-3}$	0.01297	0.62449
	125	1.305354	0.2431055	$0.11231 \cdot 10^{-2}$	0.01593	0.67202
	130	1.304994	0.2718903	$0.18060 \cdot 10^{-2}$	0.01992	0.72224
	135	1.304120	0.3056632	$0.29188 \cdot 10^{-2}$	0.02538	0.77467
	140	1.302435	0.3452397	$0.47429 \cdot 10^{-2}$	0.03297	0.82827
	145	1.299488	0.3914590	$0.77484 \cdot 10^{-2}$	0.04367	0.88112

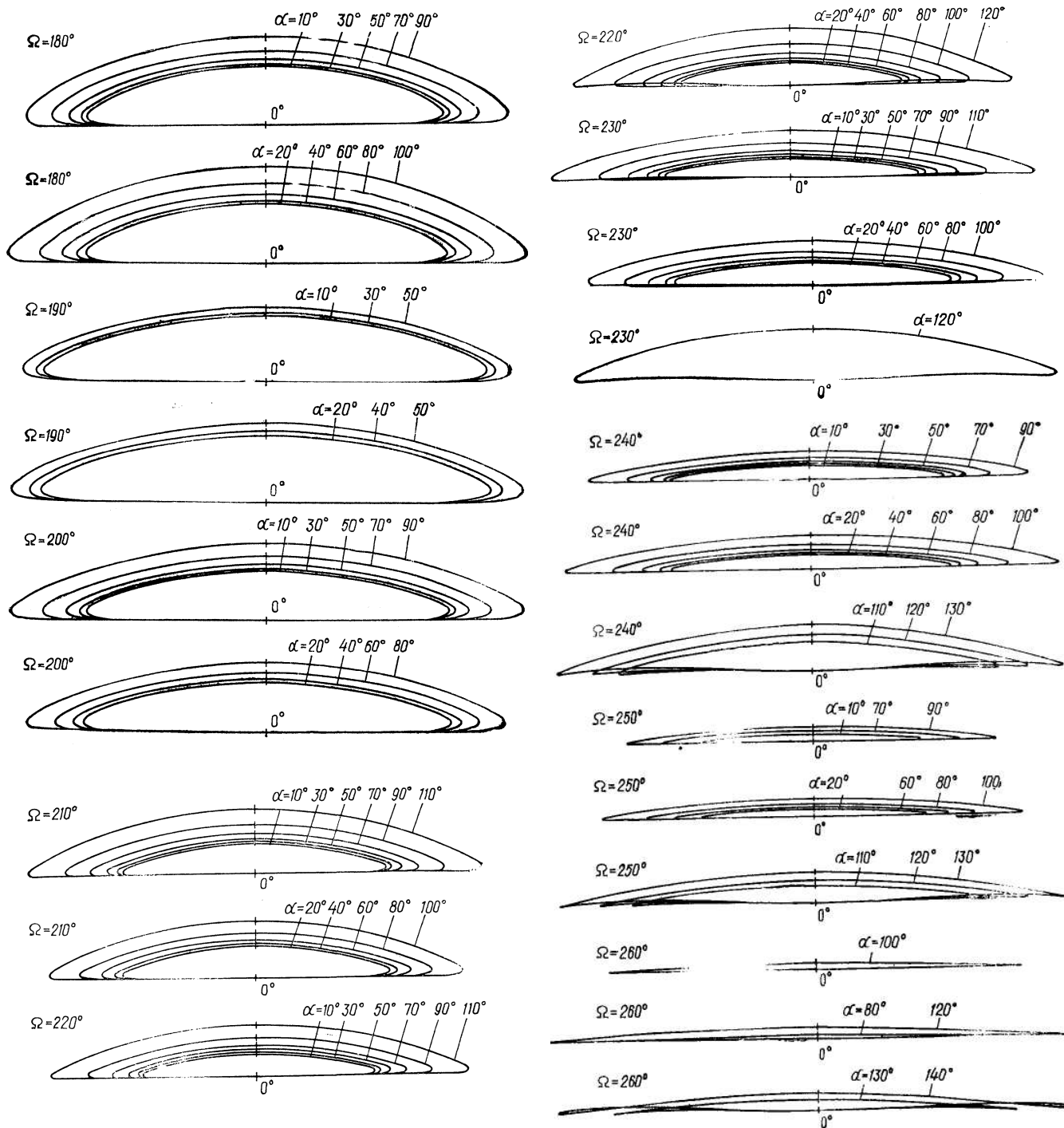
Додаток 4

Шатунні криві кругового напрямного механізму Чебишева





Шатунні криві прямолінійно напрямного механізму Чебишева



**Граничні значення коефіцієнтів зміни середньої швидкості вихідної ланки
при різних значеннях її кута розмаху**

α°	a	Кут розмаху коромисла, $^\circ$									
		10	20	30	40	50	60	70	80	90	100
$\Omega = 120^\circ$											
25	0,85	1,08	1,11	1,13	1,14	–	–	–	–	–	–
	0,80	1,14	1,16	1,18	1,20	1,20	1,18	1,15	–	–	–
	0,75	1,17	1,19	1,21	1,21	1,20	1,18	1,15	1,11	–	–
	0,70	1,17	1,19	1,20	1,20	1,18	1,15	1,12	–	–	–
50	0,80	1,14	1,17	1,20	1,22	1,22	1,20	–	–	–	–
	0,75	1,18	1,21	1,23	1,24	1,23	1,21	1,17	1,13	–	–
75	0,80	1,13	1,17	1,20	1,22	–	–	–	–	–	–
	0,75	1,19	1,22	1,25	1,27	1,26	1,23	1,19	–	–	–
100	0,80	1,10	1,15	1,09	–	–	–	–	–	–	–
$\Omega = 150^\circ$											
25	1,05	1,09	1,12	1,14	1,16	–	–	–	–	–	–
	1,00	1,14	1,17	1,19	1,20	1,20	1,19	1,16	–	–	–
	0,95	1,17	1,19	1,21	1,22	1,21	1,19	1,15	1,11	–	–
	0,90	1,18	1,20	1,21	1,21	1,19	1,17	1,13	1,10	–	–
	0,85	1,17	1,19	1,20	1,19	1,16	1,13	1,11	–	–	–
	0,80	1,15	1,17	1,16	1,15	1,12	1,10	1,08	1,06	1,04	–
	0,75	1,13	1,13	1,12	1,10	1,08	1,07	1,05	1,04	1,03	–
50	1,05	1,07	1,11	1,14	–	–	–	–	–	–	–
	1,00	1,14	1,18	1,20	1,22	1,22	–	–	–	–	–
	0,95	1,18	1,21	1,23	1,25	1,24	1,21	1,18	–	–	–
	0,90	1,20	1,22	1,24	1,24	1,23	1,19	1,15	1,12	–	–
	0,85	1,19	1,21	1,22	1,22	1,19	1,16	1,12	–	–	–
	0,80	1,17	1,19	1,19	1,17	1,14	1,12	1,09	1,07	–	–
75	1,00	1,12	1,16	1,20	1,23	–	–	–	–	–	–
	0,95	1,18	1,22	1,25	1,27	1,27	1,24	–	–	–	–
	0,90	1,21	1,24	1,27	1,28	1,26	1,22	1,18	1,13	–	–
	0,85	1,21	1,24	1,25	1,25	1,22	1,18	1,14	1,11	–	–
	0,80	1,19	1,21	1,21	1,19	1,16	1,13	1,10	1,08	–	–
$\Omega = 180^\circ$											
25	1,25	1,09	1,12	1,15	1,16	–	–	–	–	–	–
	1,20	1,15	1,17	1,20	1,21	1,21	1,19	–	–	–	–
	1,15	1,17	1,20	1,22	1,23	1,22	1,19	1,16	1,12	–	–

α°	a	Кут розмаху коромисла, °									
		10	20	30	40	50	60	70	80	90	100
	1,10	1,19	1,21	1,22	1,22	1,20	1,17	1,14	1,11	–	–
	1,05	1,18	1,20	1,21	1,20	1,18	1,15	1,12	–	–	–
	1,00	1,17	1,19	1,19	1,17	1,14	1,12	1,09	1,07	–	–
	0,95	1,15	1,16	1,15	1,13	1,11	1,09	1,07	1,05	1,04	–
	0,90	1,12	1,12	1,11	1,09	1,07	1,06	1,05	1,03	1,02	1,01
	0,85	1,08	1,08	1,06	1,05	1,04	1,03	1,03	1,02	1,01	1,01
	0,80	1,04	1,03	1,03	1,02	1,02	1,01	1,01	1,01	–	–
50	1,25	1,07	1,11	1,14	–	–	–	–	–	–	–
	1,20	1,14	1,18	1,21	1,23	1,23	–	–	–	–	–
	1,15	1,18	1,22	1,24	1,25	1,25	1,22	1,18	–	–	–
	1,10	1,20	1,23	1,25	1,26	1,24	1,20	1,16	1,12	–	–
	1,05	1,21	1,23	1,24	1,23	1,21	1,17	1,14	1,10	–	–
	1,00	1,19	1,21	1,22	1,20	1,17	1,14	1,11	1,08	–	–
	0,95	1,18	1,17	1,15	1,12	1,10	1,08	1,06	1,04	–	–
	0,90	1,14	1,14	1,12	1,10	1,08	1,07	1,05	1,04	1,03	1,02
	0,85	1,09	1,08	1,07	1,06	1,05	1,04	1,03	1,02	1,01	1,01
	0,80	1,04	1,03	1,03	1,02	1,02	1,01	1,01	1,01	–	–
75	1,20	1,11	1,16	1,19	–	–	–	–	–	–	–
	1,15	1,18	1,22	1,25	1,28	1,28	–	–	–	–	–
	1,10	1,21	1,25	1,28	1,29	1,28	1,24	1,19	–	–	–
	1,05	1,22	1,26	1,28	1,27	1,25	1,21	1,16	1,12	–	–
	1,00	1,22	1,24	1,25	1,23	1,20	1,16	1,13	1,10	–	–
	0,95	1,19	1,21	1,20	1,17	1,14	1,12	1,09	1,07	–	–
	0,90	1,15	1,16	1,14	1,11	1,09	1,08	1,06	1,04	1,03	–
	0,85	1,10	1,09	1,07	1,06	1,05	1,04	1,03	1,02	1,02	1,01
100	1,15	1,14	1,20	1,24	–	–	–	–	–	–	–
	1,10	1,21	1,25	1,30	1,32	1,31	–	–	–	–	–
	1,05	1,23	1,28	1,31	1,31	1,29	1,24	1,19	1,14	–	–
	1,00	1,23	1,27	1,28	1,27	1,23	1,19	1,15	1,11	–	–
	0,95	1,21	1,23	1,22	1,19	1,16	1,13	1,10	1,08	–	–
125	1,10	1,18	1,25	1,31	–	–	–	–	–	–	–
	1,05	1,24	1,29	1,34	1,36	1,33	1,28	–	–	–	–

α°	a	Кут розмаху коромисла, °									
		10	20	30	40	50	60	70	80	90	100
$\Omega = 210^\circ$											
25	1,45	1,08	1,11	1,14	1,15	–	–	–	–	–	–
	1,40	1,15	1,17	1,20	1,21	1,21	1,20	–	–	–	–
	1,35	1,18	1,21	1,23	1,24	1,23	1,20	1,16	1,12	–	–
	1,30	1,19	1,22	1,23	1,23	1,21	1,18	1,15	1,11	–	–
	1,25	1,19	1,21	1,22	1,21	1,19	1,15	1,12	–	–	–
	1,20	1,18	1,20	1,20	1,18	1,15	1,12	1,10	1,07	–	–
	1,15	1,16	1,17	1,16	1,14	1,12	1,09	1,07	1,06	1,04	–
	1,10	1,14	1,14	1,12	1,10	1,08	1,07	1,05	1,04	1,03	1,02
	1,05	1,10	1,10	1,08	1,08	1,07	1,05	1,04	1,03	1,02	1,01
	1,00	1,06	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01	1,00
	0,95	1,02	1,02	1,01	1,01	1,01	1,01	1,00	–	–	–
	0,90	1,01	1,00	–	–	–	–	–	–	–	–
	0,85	1,04	1,03	1,02	1,02	1,01	1,01	1,01	1,01	1,00	–
	0,80	1,06	1,05	1,04	1,03	1,03	1,02	1,02	1,01	1,01	1,00
	0,75	1,08	1,06	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01
	1,40	1,14	1,17	1,20	1,22	–	–	–	–	–	–
	1,35	1,19	1,22	1,25	1,26	1,26	1,23	–	–	–	–
	1,30	1,21	1,24	1,26	1,27	1,25	1,21	1,17	1,13	–	–
	1,25	1,22	1,24	1,26	1,25	1,22	1,18	1,15	1,11	–	–
	1,20	1,21	1,23	1,23	1,21	1,18	1,15	1,12	–	–	–
	1,15	1,19	1,20	1,19	1,17	1,14	1,11	1,09	1,07	–	–
	1,10	1,16	1,16	1,14	1,12	1,10	1,08	1,06	1,05	1,03	–
	1,05	1,12	1,11	1,09	1,08	1,06	1,05	1,04	1,03	1,02	1,01
	1,00	1,07	1,06	1,05	1,04	1,03	1,03	1,02	1,01	1,01	1,00
	0,95	1,02	1,02	1,01	1,01	1,01	1,01	1,00	–	–	–
	0,90	1,01	1,01	1,01	1,01	–	–	–	–	–	–
	0,85	1,05	1,04	1,03	1,03	1,02	1,02	1,01	1,01	1,00	–
	0,80	1,07	1,06	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01
	0,75	1,09	1,08	1,07	1,06	1,05	1,04	1,03	1,02	1,01	1,01
75	1,35	1,17	1,21	1,25	1,28	–	–	–	–	–	–
	1,30	1,22	1,26	1,29	1,30	1,29	1,25	–	–	–	–
	1,25	1,24	1,27	1,30	1,29	1,26	1,22	1,18	1,13	–	–
	1,20	1,23	1,26	1,27	1,25	1,22	1,18	1,14	1,11	–	–
	1,15	1,22	1,24	1,23	1,20	1,17	1,14	1,11	1,08	–	–
	1,10	1,18	1,19	1,17	1,14	1,12	1,10	1,08	1,07	1,04	–
	1,05	1,14	1,13	1,11	1,09	1,07	1,06	1,05	1,03	1,02	1,01
	1,00	1,08	1,07	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01
	0,95	1,01	1,01	1,01	1,01	1,00	–	–	–	–	–

α°	a	Кут розмаху коромисла, °									
		10	20	30	40	50	60	70	80	90	100
	0,90	1,03	1,02	1,02	1,01	1,01	1,01	1,01	1,00	–	–
	0,85	1,07	1,06	1,05	1,04	1,03	1,03	1,02	1,01	1,01	1,00
	0,80	1,10	1,08	1,07	1,06	1,05	1,04	1,03	1,02	1,02	1,01
100	1,35	1,10	1,16	–	–	–	–	–	–	–	–
	1,30	1,19	1,24	1,29	1,33	–	–	–	–	–	–
	1,25	1,24	1,29	1,33	1,34	1,23	1,27	–	–	–	–
	1,20	1,25	1,29	1,32	1,31	1,27	1,22	1,18	1,13	–	–
	1,15	1,24	1,27	1,27	1,24	1,21	1,17	1,13	1,10	–	–
	1,10	1,21	1,22	1,20	1,17	1,14	1,11	1,09	1,07	–	–
	1,05	1,15	1,14	1,12	1,10	1,08	1,07	1,05	1,04	1,03	–
	1,00	1,07	1,06	1,05	1,04	1,03	1,03	1,02	1,01	1,01	1,00
	0,95	1,06	1,05	1,04	1,03	1,03	1,02	1,02	1,01	1,01	1,00
	0,90	1,06	1,05	1,04	1,03	1,03	1,02	1,02	1,01	1,01	1,00
125	1,25	1,20	1,27	1,34	–	–	–	–	–	–	–
	1,20	1,25	1,32	1,37	1,38	1,34	1,28	–	–	–	–
	1,15	1,26	1,31	1,33	1,30	1,25	1,21	1,16	1,12	–	–
	1,10	1,23	1,25	1,23	1,20	1,16	1,13	1,10	–	–	–
	1,05	1,16	1,14	1,12	1,10	1,08	1,07	1,05	1,04	1,03	–
$\Omega = 240^\circ$											
25	1,60	1,13	1,16	1,18	1,20	1,20	–	–	–	–	–
	1,55	1,18	1,21	1,23	1,24	1,23	1,21	1,17	–	–	–
	1,50	1,20	1,23	1,25	1,24	1,22	1,19	1,15	1,11	–	–
	1,45	1,21	1,23	1,23	1,22	1,19	1,16	1,12	1,09	–	–
	1,40	1,19	1,21	1,20	1,18	1,15	1,12	1,10	1,07	–	–
	1,35	1,17	1,18	1,16	1,14	1,11	1,09	1,07	1,05	1,04	–
	1,30	1,14	1,13	1,11	1,10	1,08	1,06	1,05	1,04	1,03	1,02
	1,25	1,10	1,09	1,07	1,06	1,05	1,04	1,03	1,02	1,02	1,01
	1,20	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01	1,01	1,00
	1,15	1,01	1,01	1,01	1,01	1,00	–	–	–	–	–
	1,10	1,01	1,00	–	–	–	–	–	–	–	–
	1,05	1,02	1,02	1,02	1,01	1,01	1,01	1,00	–	–	–
50	1,60	1,11	1,15	1,18	–	–	–	–	–	–	–
	1,55	1,18	1,22	1,25	1,27	1,26	1,24	–	–	–	–
	1,50	1,22	1,25	1,28	1,28	1,26	1,22	1,18	1,13	–	–
	1,45	1,23	1,26	1,27	1,26	1,23	1,19	1,15	1,11	–	–
	1,40	1,22	1,24	1,24	1,22	1,18	1,15	1,12	–	–	–
	1,35	1,20	1,21	1,19	1,17	1,14	1,11	1,09	1,07	–	–
	1,30	1,16	1,16	1,14	1,12	1,10	1,08	1,06	1,05	1,03	–
	1,25	1,12	1,10	1,09	1,07	1,06	1,05	1,04	1,03	1,02	1,01

α°	a	Кут розмаху коромисла, °									
		10	20	30	40	50	60	70	80	90	100
	1,20	1,06	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01	1,09
	1,15	1,02	1,01	1,01	1,01	1,01	1,00	—	—	—	—
	1,10	1,01	1,01	1,01	1,00	—	—	—	—	—	—
	1,05	1,03	1,03	1,02	1,02	1,01	1,01	1,01	1,00	—	—
75	1,55	1,15	1,19	1,24	—	—	—	—	—	—	—
	1,50	1,21	1,26	1,30	1,32	1,30	1,27	—	—	—	—
	1,45	1,25	1,29	1,31	1,31	1,28	1,24	1,19	1,14	—	—
	1,40	1,25	1,28	1,29	1,27	1,23	1,19	1,15	1,11	—	—
	1,35	1,23	1,25	1,24	1,21	1,17	1,14	1,11	1,09	—	—
	1,30	1,20	1,20	1,17	1,15	1,12	1,10	1,08	1,06	1,04	—
	1,25	1,14	1,13	1,11	1,09	1,07	1,06	1,05	1,04	1,02	1,01
	1,20	1,08	1,06	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,00
	1,15	1,02	1,01	1,01	1,01	1,01	1,00	—	—	—	—
	1,10	1,02	1,01	1,01	1,01	1,01	1,00	—	—	—	—
	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01	1,01	1,00	—
	1,05	1,04	1,04	1,03	1,02	1,02	1,01	1,01	1,01	1,00	—
100	1,50	1,15	1,21	1,28	—	—	—	—	—	—	—
	1,45	1,23	1,29	1,34	1,36	1,34	—	—	—	—	—
	1,40	1,27	1,32	1,35	1,34	1,30	1,25	1,20	—	—	—
	1,35	1,27	1,31	1,31	1,27	1,23	1,19	1,15	1,11	—	—
	1,30	1,24	1,25	1,23	1,19	1,16	1,13	1,10	1,08	—	—
	1,25	1,18	1,16	1,14	1,12	1,09	1,08	1,06	1,05	1,03	—
	1,20	1,09	1,08	1,06	1,05	1,04	1,03	1,03	1,02	1,01	1,01
	1,15	1,01	1,01	1,01	1,00	—	—	—	—	—	—
	1,10	1,04	1,03	1,02	1,02	1,02	1,01	1,01	1,01	1,00	—
	1,05	1,07	1,06	1,05	1,04	1,03	1,02	1,02	1,01	1,01	1,00
125	1,40	1,22	1,30	1,39	—	—	—	—	—	—	—
	1,35	1,28	1,35	1,40	1,39	1,34	1,28	—	—	—	—
	1,30	1,28	1,33	1,32	1,28	1,23	1,19	1,15	1,11	—	—
	1,25	1,23	1,23	1,19	1,16	1,13	1,11	1,08	—	—	—
	1,20	1,11	1,10	1,08	1,06	1,05	1,04	1,03	1,02	1,02	—
	1,15	1,00	—	—	—	—	—	—	—	—	—
	1,10	1,07	1,06	1,05	1,04	1,03	1,03	1,02	1,01	1,01	—
	1,05	1,11	1,10	1,08	1,07	1,05	1,04	1,03	1,03	—	—
	1,00	1,01	—	—	—	—	—	—	—	—	—
150	1,25	1,31	1,41	1,42	1,36	1,30	1,24	—	—	—	—
	1,20	1,21	1,19	1,16	1,13	1,11	1,09	—	—	—	—
	1,15	—	—	—	—	—	—	—	—	—	—
	1,10	1,15	1,13	1,11	1,09	1,07	1,06	—	—	—	—

α°	a	Кут розмаху коромисла, $^\circ$									
		10	20	30	40	50	60	70	80	90	100
	1,05	1,23	1,19	1,16	1,14	1,11	–	–	–	–	–
	1,00	1,02	1,02	1,01	1,01	–	–	–	–	–	–
$\Omega = 270^\circ$											
25	1,75	1,15	1,18	1,21	1,22	1,22	–	–	–	–	–
	1,70	1,21	1,24	1,25	1,26	1,23	1,20	1,16	1,12	–	–
	1,65	1,22	1,24	1,24	1,22	1,19	1,16	1,13	1,10	–	–
	1,60	1,20	1,21	1,19	1,17	1,14	1,12	1,09	1,07	–	–
	1,55	1,16	1,15	1,13	1,11	1,09	1,07	1,06	1,04	1,03	–
	1,50	1,10	1,09	1,07	1,06	1,05	1,04	1,03	1,02	1,02	1,01
	1,45	1,03	1,03	1,02	1,02	1,01	1,01	1,01	1,01	1,00	–
	1,75	1,13	1,17	1,21	1,23	–	–	–	–	–	–
	1,70	1,22	1,26	1,28	1,29	1,27	1,24	1,19	–	–	–
	1,65	1,60	1,23	1,25	1,24	1,21	1,18	1,14	1,11	1,09	–
	1,60	1,23	1,25	1,24	1,21	1,18	1,14	1,11	1,09	–	–
	1,55	1,19	1,19	1,17	1,14	1,12	1,09	1,07	1,06	1,04	–
	1,50	1,12	1,11	1,09	1,08	1,06	1,05	1,04	1,03	1,02	1,01
	1,45	1,04	1,04	1,03	1,02	1,02	1,01	1,01	1,01	1,00	–
75	1,70	1,19	1,24	1,29	1,31	–	–	–	–	–	–
	1,65	1,26	1,30	1,33	1,33	1,30	1,25	1,20	–	–	–
	1,60	1,27	1,30	1,30	1,27	1,23	1,19	1,15	1,11	–	–
	1,55	1,24	1,24	1,22	1,19	1,15	1,13	1,10	1,08	–	–
	1,50	1,16	1,15	1,12	1,10	1,08	1,07	1,05	1,04	1,03	–
	1,45	1,06	1,05	1,04	1,03	1,03	1,02	1,02	1,01	1,01	1,00
100	1,65	1,20	1,07	1,04	–	–	–	–	–	–	–
	1,60	1,28	1,34	1,38	1,37	1,32	1,27	–	–	–	–
	1,55	1,29	1,33	1,31	1,27	1,23	1,18	1,15	1,11	–	–
	1,50	1,22	1,21	1,18	1,15	1,12	1,10	1,08	1,06	–	–
	1,45	1,09	1,07	1,06	1,05	1,04	1,03	1,03	1,02	1,01	1,01
125	1,55	1,28	1,38	1,46	1,45	–	–	–	–	–	–
	1,50	1,32	1,37	1,34	1,29	1,24	1,19	1,15	1,12	–	–
	1,45	1,17	1,15	1,12	1,10	1,08	1,07	1,05	–	–	–

Основні кінематичні характеристики руху вихідної ланки МЧВ

α°	a	МЧВ2						МЧВ1		
		x'_{Em}	x''_{Em}	$N_{\kappa Em}$	B'	C'	D'	B	C	D
$\Omega = 120^\circ$										
25	0,70	0,253	0,633	0,0772	2,48	16,84	19,84	2,58	17,11	22,79
	0,75	0,223	0,501	0,0544	2,42	14,72	17,38	2,53	15,13	20,78
	0,80	0,188	0,377	0,0352	2,37	12,84	15,02	2,52	13,33	18,69
	0,85	0,150	0,264	0,0204	2,34	11,17	13,27	–	–	–
50	0,75	0,261	0,614	0,0780	2,13	11,36	11,70	2,23	11,69	14,02
	0,80	0,221	0,459	0,0503	2,08	9,76	10,05	2,21	10,12	12,63
	0,85	0,176	0,318	0,0299	2,04	8,35	8,60	–	–	–
75	0,75	0,343	0,885	0,1475	1,87	8,85	8,05	1,98	9,11	9,74
	0,80	0,293	0,653	0,0943	1,81	7,33	6,61	1,94	7,70	8,39
100	0,80	0,450	1,152	0,2525	1,58	5,65	4,33	–	–	–
$\Omega = 150^\circ$										
25	0,75	0,283	0,814	0,1091	2,56	20,05	24,45	2,61	20,26	26,14
	0,80	0,272	0,733	0,0950	2,51	18,24	21,52	2,56	18,42	23,87
	0,85	0,258	0,644	0,0799	2,44	16,53	19,12	2,53	16,71	21,54
	0,90	0,239	0,550	0,0637	2,40	14,92	17,28	2,49	15,24	20,05
	0,95	0,216	0,455	0,0483	2,35	13,43	15,55	2,47	13,83	18,69
	1,00	0,188	0,360	0,0339	2,32	12,04	13,83	2,46	12,50	17,14
	1,05	0,156	0,261	0,0218	2,31	10,77	12,96	2,47	11,32	16,43
50	0,80	0,316	0,903	0,1363	2,21	14,34	14,87	2,26	14,49	16,28
	0,85	0,301	0,793	0,1145	2,16	12,90	13,36	2,23	13,09	15,10
	0,90	0,280	0,676	0,0915	2,11	11,54	11,76	2,19	11,81	13,73
	0,95	0,254	0,556	0,0691	2,06	10,27	10,35	2,17	10,59	12,53
	1,00	0,222	0,437	0,0483	2,03	9,09	9,19	2,16	9,44	11,55
	1,05	0,184	0,323	0,0321	2,00	8,01	8,19	–	–	–
75	0,80	0,410	1,309	0,2551	1,97	11,53	10,81	2,02	11,65	11,85
	0,85	0,393	1,148	0,2155	1,91	10,24	9,33	1,98	10,41	10,57
	0,90	0,368	0,974	0,1729	1,85	9,01	8,09	1,94	9,23	9,50
	0,95	0,336	0,795	0,1305	1,81	7,86	6,93	1,91	8,11	8,45
	1,00	0,295	0,618	0,0905	1,77	6,80	5,98	1,89	7,09	7,62
100	0,90	0,554	1,730	0,4589	1,64	7,16	5,62	1,72	7,34	6,62
	0,95	0,510	1,398	0,3459	1,59	6,06	4,68	1,68	6,25	5,74
	1,00	0,454	1,069	0,2379	1,53	5,05	4,00	–	–	–
125	0,95	0,928	3,376	1,4940	1,39	4,84	3,17	–	–	–
$\Omega = 180^\circ$										
25	0,85	0,222	0,628	0,0663	2,52	19,26	23,05	2,53	19,46	23,88
	0,90	0,227	0,612	0,0660	2,48	18,07	21,23	2,51	18,25	22,47
	0,95	0,228	0,585	0,0635	2,43	16,86	13,39	2,48	17,04	20,97
	1,00	0,225	0,545	0,0589	2,38	15,67	17,62	2,45	15,83	19,39
	1,05	0,217	0,496	0,0520	2,35	14,48	16,42	2,42	14,72	18,60
	1,10	0,206	0,438	0,0441	2,31	13,33	15,12	2,41	13,65	17,65
	1,15	0,190	0,374	0,0351	2,29	12,22	13,74	2,40	12,61	16,53
	1,20	0,168	0,305	0,0259	2,27	11,15	12,75	2,40	11,58	15,88
	1,25	0,142	0,234	0,0180	2,27	10,14	12,35	2,42	10,69	15,25
50	0,85	0,257	0,770	0,0936	2,23	15,17	15,82	2,24	15,33	16,41

α°	a	МЧВ2						МЧВ1		
		x'_{Em}	x''_{Em}	$N_{\kappa Em}$	B'	C'	D'	B	C	D
	0,90	0,263	0,753	0,0973	2,19	14,19	14,48	2,21	14,33	15,25
	0,95	0,265	0,719	0,0907	2,14	13,19	13,43	2,19	13,33	14,51
	1,00	0,263	0,671	0,0846	2,10	12,18	12,32	2,16	12,32	16,67
	1,05	0,255	0,608	0,0749	2,07	11,20	11,14	2,13	11,40	12,70
	1,10	0,242	0,536	0,0634	2,09	10,21	10,00	2,12	10,47	11,82
	1,15	0,224	0,455	0,0504	2,00	9,25	9,20	2,10	9,55	11,17
50	1,20	0,199	0,369	0,0370	1,99	8,35	8,31	2,11	8,70	10,43
	1,25	0,168	0,281	0,0269	1,98	7,49	7,57	–	–	–
75	0,85	0,330	1,104	0,1711	1,98	12,19	11,37	2,00	12,32	11,72
	0,90	0,340	1,108	0,1747	1,94	11,36	10,46	1,97	11,47	11,05
	0,95	0,345	1,039	0,1704	1,90	10,49	9,48	1,94	10,59	10,28
	1,00	0,344	0,968	0,1595	1,86	9,59	8,44	1,91	9,73	9,40
	1,05	0,336	0,876	0,1420	1,82	8,70	7,64	1,89	8,88	8,77
	1,10	0,321	0,766	0,1198	1,78	7,81	6,77	1,86	8,02	8,03
	1,15	0,298	0,644	0,0948	1,75	6,95	6,02	1,85	7,18	7,40
	1,20	0,267	0,516	0,0690	1,73	6,13	5,30	–	–	–
100	0,95	0,510	1,829	0,4410	1,69	8,48	6,73	1,73	8,57	7,27
	1,00	0,613	1,708	0,4171	1,65	7,66	6,01	1,70	7,77	6,71
	1,05	0,506	1,540	0,3738	1,60	6,81	5,21	1,67	6,96	6,00
	1,10	0,488	1,335	0,3154	1,56	5,97	4,51	1,64	6,13	5,41
	1,15	0,457	1,108	0,2479	1,52	5,15	3,84	–	–	–
125	1,05	0,900	3,613	1,5419	1,41	5,42	3,62	1,46	5,53	4,18
	1,10	0,879	3,098	1,2987	1,36	4,58	2,97	1,43	4,70	3,58
	1,15	0,836	2,517	1,0092	1,31	3,78	2,37	–	–	–
$\Omega = 210^\circ$										
25	0,70	0,035	0,093	0,0016	2,47	17,47	20,74	–	–	–
	0,75	0,051	0,136	0,0033	2,48	17,94	21,14	2,49	18,12	21,85
	0,80	0,067	0,180	0,0058	2,48	17,99	21,17	2,49	18,19	21,71
	1,00	0,131	0,336	0,0210	2,40	16,61	18,82	2,41	16,78	19,31
	1,05	0,144	0,359	0,0247	2,37	15,98	17,81	2,39	16,14	18,59
	1,10	0,154	0,371	0,0275	2,34	15,26	16,82	2,36	15,42	17,74
	1,15	0,161	0,373	0,0289	2,31	14,48	16,01	2,35	14,63	17,28
	1,20	0,164	0,364	0,0290	2,28	13,66	15,11	2,34	13,82	16,72
	1,25	0,164	0,344	0,0275	2,25	12,80	14,14	2,33	13,05	16,06
	1,30	0,159	0,313	0,0246	2,24	11,93	13,08	2,32	12,24	15,29
	1,35	0,149	0,274	0,0204	2,22	11,06	12,30	2,33	11,42	14,78
	1,40	0,134	0,227	0,0154	2,22	10,19	11,54	2,35	10,63	14,45
	1,45	0,112	0,173	0,0114	2,23	9,36	12,33	–	–	–
50	0,75	0,058	0,163	0,0045	2,18	13,91	14,30	2,20	14,06	14,74
	0,80	0,077	0,217	0,0080	2,18	13,99	14,32	2,19	14,13	14,65
	1,00	0,153	0,412	0,0299	2,12	12,96	13,01	2,12	13,09	13,28
	1,05	0,168	0,441	0,0353	2,09	12,44	12,41	2,11	12,57	12,91
	1,10	0,180	0,457	0,0395	2,06	11,86	11,72	2,09	11,98	12,46
	1,15	0,189	0,459	0,0417	2,04	11,21	10,95	2,08	11,32	11,91
	1,20	0,194	0,447	0,0420	2,00	10,51	10,12	2,06	10,67	11,27
	1,25	0,194	0,421	0,0398	1,97	9,78	9,45	2,05	9,99	10,77
	1,30	0,188	0,82	0,0356	1,96	9,03	8,76	2,04	9,29	10,33
	1,35	0,177	0,332	0,0295	1,95	8,28	8,03	2,04	8,56	9,74

α°	a	МЧВ2						МЧВ1		
		x'_{Em}	x''_{Em}	$N_{\kappa Em}$	B'	C'	D'	B	C	D
	1,40	0,159	0,272	0,0224	1,94	7,55	7,47	2,06	7,91	9,47
	1,45	0,133	0,206	0,0172	1,94	6,83	8,30	–	–	–
75	0,80	0,097	0,301	0,0139	1,93	10,95	10,04	1,94	11,06	10,37
	0,85	0,123	0,381	0,0222	1,93	10,92	9,98	1,93	11,04	10,20
	1,05	0,219	0,633	0,0660	1,85	9,79	8,57	1,86	9,89	8,95
	1,10	0,237	0,658	0,0746	1,82	9,29	8,00	1,85	9,38	8,51
	1,15	0,250	0,662	0,0793	1,80	8,72	7,50	1,84	8,82	8,17
	1,20	0,257	0,643	0,0801	1,77	8,10	6,92	1,82	8,24	7,76
	1,25	0,259	0,603	0,0761	1,74	7,44	6,27	1,80	7,61	7,24
	1,30	0,252	0,542	0,0676	1,72	6,76	5,73	1,79	6,95	6,84
	1,35	0,238	0,465	0,0555	1,70	6,08	5,14	1,79	6,32	6,35
	1,40	0,215	0,376	0,0456	1,68	5,41	5,14	–	–	–
100	1,05	0,325	1,102	0,1698	1,61	7,75	6,01	1,65	7,82	6,25
	1,10	0,355	1,153	0,1946	1,61	7,30	5,60	1,64	7,38	5,98
	1,15	0,378	1,161	0,2096	1,58	6,79	5,10	1,62	6,88	5,60
	1,20	0,392	1,124	0,2119	1,55	6,20	4,62	1,60	6,32	5,23
	1,25	0,397	1,043	0,2009	1,52	5,58	4,19	1,58	5,71	4,80
	1,30	0,390	0,925	0,1772	1,49	4,93	3,61	1,56	5,10	4,39
	1,35	0,371	0,778	0,1470	1,46	4,29	3,19	–	–	–
125	1,10	0,628	2,652	0,7850	1,41	5,72	3,80	1,43	5,78	4,04
	1,15	0,677	2,672	0,8561	1,38	5,23	3,42	1,41	5,31	3,77
	1,20	0,710	2,562	0,8656	1,34	4,65	2,97	1,39	4,75	3,40
	1,25	0,724	2,330	0,8085	1,31	4,04	2,52	1,37	4,14	3,00
	1,30	0,718	2,004	0,6933	1,27	3,41	2,09	–	–	–
$\Omega = 240^\circ$										
25	1,20	0,051	0,115	0,0028	2,26	13,80	14,99	2,26	13,94	15,20
	1,25	0,066	0,148	0,0047	2,23	13,55	14,67	2,26	13,68	15,12
	1,30	0,081	0,176	0,0069	2,16	13,16	14,19	2,25	13,29	14,92
	1,35	0,093	0,197	0,0089	2,21	12,65	13,44	2,25	12,78	14,62
	1,40	0,102	0,207	0,0103	2,20	12,05	12,88	2,24	12,22	14,21
	1,45	0,107	0,208	0,0110	2,18	11,39	12,08	2,24	11,62	13,70
	1,50	0,108	0,196	0,0106	2,17	10,67	11,55	2,25	10,97	13,45
	1,55	0,103	0,174	0,0091	2,17	9,93	10,94	2,27	10,28	13,28
	1,60	0,091	0,141	0,0071	2,18	9,17	11,14	2,31	9,66	13,10
50	1,20	0,060	0,141	0,0041	1,99	10,63	10,12	1,99	10,74	10,32
	1,25	0,079	0,183	0,0069	1,97	10,43	9,86	1,99	10,54	10,23
	1,30	0,096	0,218	0,0101	1,96	0,11	9,45	1,98	10,21	10,01
	1,35	0,111	0,243	0,0130	1,91	9,69	9,09	1,98	9,79	9,78
	1,40	0,122	0,255	0,0152	1,93	19,18	8,54	1,97	9,33	9,57
	1,45	0,128	0,254	0,0161	1,91	8,61	7,89	1,97	8,80	9,26
	1,50	0,129	0,239	0,0154	1,90	7,99	7,55	1,97	8,22	8,86
	1,55	0,123	0,210	0,0131	1,90	7,34	7,09	1,99	7,64	8,72
	1,60	0,108	0,168	0,0108	1,90	6,69	7,58	–	–	–
75	1,20	0,080	0,204	0,0079	1,75	8,18	6,90	1,75	8,27	7,02
	1,25	0,105	0,265	0,0135	1,74	8,03	6,74	1,75	8,11	6,99

α°	a	MЧВ2						MЧВ1		
		x'_{Em}	x''_{Em}	$N_{\kappa Em}$	B'	C'	D'	B	C	D
	1,30	0,129	0,316	0,0197	1,73	7,75	6,46	1,75	7,83	6,86
	1,35	0,149	0,352	0,0255	1,71	7,38	6,08	1,74	7,48	6,23
	1,40	0,165	0,368	0,0297	1,69	6,91	5,70	1,73	7,05	6,36
	1,45	0,174	0,363	0,0313	1,67	6,39	5,28	1,73	6,55	6,11
	1,50	0,176	0,337	0,0296	1,66	5,82	4,83	1,73	6,02	5,79
	1,55	0,168	0,290	0,0266	1,65	5,23	4,67	–	–	–
100	1,05	0,018	0,049	0,0004	1,51	5,70	4,18	1,51	5,75	4,23
	1,25	0,165	0,471	0,0372	1,53	6,11	4,48	1,53	6,12	4,50
	1,30	0,203	0,562	0,0548	1,51	5,86	4,37	1,54	6,28	4,59
	1,35	0,236	0,622	0,7082	1,49	5,50	3,97	1,54	6,29	4,66
	1,40	0,261	0,642	0,0817	1,47	5,06	3,64	1,52	5,17	4,13
	1,45	0,276	0,621	0,0846	1,45	4,55	3,25	1,51	4,69	3,85
	1,50	0,279	0,560	0,0806	1,43	4,01	3,97	–	–	–
125	1,05	0,036	0,114	0,0020	1,31	4,02	2,53	1,31	4,06	2,58
	1,25	0,318	1,125	0,1705	1,32	4,49	2,73	1,33	4,53	2,96
	1,30	0,393	1,330	0,2496	1,30	4,24	2,60	1,33	4,30	2,87
	1,35	0,456	1,434	0,3143	1,28	3,87	2,38	1,31	3,94	2,68
	1,40	0,503	1,420	0,3460	1,26	3,40	2,07	1,30	3,50	2,43
	1,45	0,532	1,300	0,3400	1,24	2,91	1,78	–	–	–
150	1,05	0,109	0,478	0,0250	1,09	2,50	1,31	1,09	2,52	1,34
	1,25	0,927	4,703	2,0509	1,08	2,87	1,46	1,10	2,91	1,57
$\Omega = 270^\circ$										
25	1,45	0,007	0,013	0,0001	2,13	11,73	12,26	2,16	11,85	12,45
	1,50	0,021	0,042	0,0004	2,15	11,65	12,12	2,16	11,76	12,52
	1,55	0,036	0,070	0,0012	2,13	11,31	11,69	2,16	11,43	12,39
	1,60	0,049	0,093	0,0022	2,12	10,81	11,44	2,16	10,95	12,10
	1,65	0,059	0,105	0,0031	2,11	10,19	10,72	2,17	10,41	12,08
	1,70	0,062	0,103	0,0033	2,11	9,48	10,16	2,19	9,78	12,02
	1,75	0,058	0,087	0,0028	2,15	8,72	9,47	2,25	9,17	12,17
50	1,45	0,008	0,016	0,0001	1,89	8,93	7,89	1,90	9,02	8,35
	1,50	0,025	0,052	0,0006	1,88	8,87	8,16	1,89	8,96	8,41
	1,55	0,043	0,088	0,0019	1,87	8,58	7,86	1,89	8,67	8,35
	1,60	0,059	0,115	0,0034	1,86	8,15	7,44	1,89	8,29	8,18
	1,65	0,071	0,128	0,0045	1,85	7,61	7,01	1,90	7,79	7,97
	1,70	0,075	0,125	0,0048	1,85	6,98	6,58	1,92	7,23	7,89
	1,75	0,069	0,103	0,0043	1,87	6,32	6,22	1,97	6,68	7,90
75	1,45	0,011	0,025	0,0001	1,66	6,71	5,43	1,67	6,78	5,50
	1,50	0,036	0,078	0,0014	1,66	6,67	5,38	1,67	6,74	5,57
	1,55	0,061	0,130	0,0039	1,64	6,41	5,16	1,67	6,50	5,53
	1,60	0,083	0,168	0,0069	1,63	6,01	4,82	1,66	6,13	5,38
	1,65	0,099	0,183	0,0091	1,61	5,50	4,47	1,67	5,65	4,98
	1,70	0,104	0,174	0,0100	1,61	4,92	4,08	1,68	5,14	4,98
100	1,45	0,020	0,049	0,0005	1,45	4,90	3,47	1,45	4,95	3,51
	1,50	0,062	0,150	0,0046	1,44	4,86	3,43	1,45	4,91	3,58
	1,55	0,105	0,242	0,0125	1,43	4,60	3,23	1,45	4,68	3,52
	1,60	0,141	0,299	0,0210	1,41	4,19	2,95	1,45	4,29	3,36
	1,65	0,165	0,310	0,0274	1,40	3,69	2,62	1,45	3,82	3,15
125	1,45	0,059	0,166	0,0048	1,25	3,36	2,04	1,25	3,39	2,08

α°	a	МЧВ2						МЧВ1		
		x'_{Em}	x''_{Em}	$N_{\kappa Em}$	B'	C'	D'	B	C	D
	1,50	0,160	0,437	0,0340	1,24	3,26	1,97	1,25	3,30	2,11
	1,55	0,248	0,613	0,0747	1,22	2,91	1,75	1,25	2,98	1,99
	1,60	0,313	0,700	0,1205	1,22	2,50	1,50	–	–	–