

**Table Maximum likelihood estimate  $\hat{k}$  for given  $\bar{R}$  in the Von Mises case**

For the solution  $k = A^{-1}(\rho)$ , replace  $\hat{k}$  by  $k$ ,  $\bar{R}$  by  $\rho$ .

$\bar{R}$	$\hat{k}$	$\bar{R}$	$\hat{k}$	$\bar{R}$	$\hat{k}$
0.00	0.00000	0.35	0.74783	0.70	2.01363
0.01	0.02000	0.36	0.77241	0.71	2.07685
0.02	0.04001	0.37	0.79730	0.72	2.14359
0.03	0.06003	0.38	0.82253	0.73	2.21425
0.04	0.08006	0.39	0.84812	0.74	2.28930
0.05	0.10013	0.40	0.87408	0.75	2.36930
0.06	0.12022	0.41	0.90043	0.76	2.45490
0.07	0.14034	0.42	0.92720	0.77	2.54686
0.08	0.16051	0.43	0.95440	0.78	2.64613
0.09	0.18073	0.44	0.98207	0.79	2.75382
0.10	0.20101	0.45	1.01022	0.80	2.87129
0.11	0.22134	0.46	1.03889	0.81	3.00020
0.12	0.24175	0.47	1.06810	0.82	3.14262
0.13	0.26223	0.48	1.09788	0.83	3.30114
0.14	0.28279	0.49	1.12828	0.84	3.47901
0.15	0.30344	0.50	1.15932	0.85	3.68041
0.16	0.32419	0.51	1.19105	0.86	3.91072
0.17	0.34503	0.52	1.22350	0.87	4.17703
0.18	0.36599	0.53	1.25672	0.88	4.48876
0.19	0.38707	0.54	1.29077	0.89	4.85871
0.20	0.40828	0.55	1.32570	0.90	5.3047
0.21	0.42962	0.56	1.36156	0.91	5.8522
0.22	0.45110	0.57	1.39842	0.92	6.5394
0.23	0.47273	0.58	1.43635	0.93	7.4257
0.24	0.49453	0.59	1.47543	0.94	8.6104
0.25	0.51649	0.60	1.51574	0.95	10.2716
0.26	0.53863	0.61	1.55738	0.96	12.7661
0.27	0.56097	0.62	1.60044	0.97	16.9266
0.28	0.58350	0.63	1.64506	0.98	25.2522
0.29	0.60625	0.64	1.69134	0.99	50.2421
0.30	0.62922	0.65	1.73945	1.00	$\alpha$
0.31	0.65242	0.66	1.78953		
0.32	0.67587	0.67	1.84177		
0.33	0.69958	0.68	1.89637		
0.34	0.72356	0.69	1.95357		

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