TABELA

CIRCUNFERÊNCIA — ÁREA TRANSVERSAL

Shiguenori Kajiya *

RESUMO

O autor propõe esta tabela com a finalidade de auxiliar nos cálculos dendrométricos, permitindo obter a área transversal a partir da circunferência tomada à altura do peito (cap).

SUMMARY

The author presents a table that allows calculation of cross-sectional from circumference taken at breast height.

Esta tabela foi calculada no Centro de Computação da U.F.P., com a finalidade de auxiliar os cálculos dendrométricos, permitindo obter a área transversal a partir da respectiva circunferência, conforme indica a fórmula:

$$\Delta t = \frac{c^2}{4\pi}$$

PROGRAMA

```
// JOB T
// FOR
* IOCS (CARD, 1132 PRINTER)
* EXTENDED PRECISION
* LIST SOURCE PROGRAM
C  FACULDADE DE FLORESTAS —
   TABELA DE ÁREA TRANSVER-
   SAL A PARTIR DA CIRCUNFE-
   RÊNCIA — S. KAJIYA
   DIMENSION (S(10)
   A = 0.
   PI = 3.141592
6  K = 0
   WRITE (3,10)
10  FORMAT(1H1, 'AREA TRANSVER-
   SAL'10X'METROS  QUADRADOS'
   //1X'CIRC-CM'6X'1.0'9X'1'9X'.
   2,9X'.3'9X'.4'9X'.5'9X'.6'9X'.7'9X'.
   8'9X'.9')
5  DO 20 I= 1,10
   D=I
   D=(D—1.)/10.
20  S(I)=(A+D)**2/(PI*40000.)
   J=A
   WRITE(3,30) J,(S(I),I=1,10)
30  FORMAT(2X,I3,2X,10F11.7)
   A=A+1.
   IF(J—600) 8,9,9
8  K=K+1
   IF(K—49) 5,5,6
9  CALL EXIT
   END
// XEQ
```

* Professor da Cadeira de Dendrometria da Faculdade de Florestas da UFP.

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
0	0.0000000	0.0000000	0.0000003	0.0000007	0.0000012	0.0000019	0.0000028	0.0000038	0.0000050	0.0000064
1	0.0000079	0.0000096	0.0000114	0.0000134	0.0000155	0.0000179	0.0000203	0.0000229	0.0000257	0.0000287
2	0.0000318	0.0000350	0.0000385	0.0000420	0.0000458	0.0000497	0.0000537	0.0000580	0.0000623	0.0000669
3	0.0000716	0.0000764	0.0000814	0.0000866	0.0000919	0.0000974	0.0001031	0.0001089	0.0001149	0.0001210
4	0.0001273	0.0001337	0.0001403	0.0001471	0.0001540	0.0001611	0.0001683	0.0001757	0.0001833	0.0001910
5	0.0001989	0.0002069	0.0002151	0.0002235	0.0002320	0.0002407	0.0002495	0.0002585	0.0002676	0.0002770
6	0.0002864	0.0002961	0.0003058	0.0003158	0.0003259	0.0003362	0.0003466	0.0003572	0.0003679	0.0003788
7	0.0003899	0.0004011	0.0004125	0.0004240	0.0004357	0.0004476	0.0004596	0.0004718	0.0004841	0.0004966
8	0.0005092	0.0005221	0.0005350	0.0005482	0.0005614	0.0005749	0.0005885	0.0006023	0.0006162	0.0006303
9	0.0006445	0.0006589	0.0006735	0.0006882	0.0007031	0.0007181	0.0007333	0.0007487	0.0007642	0.0007799
10	0.0007957	0.0008117	0.0008279	0.0008442	0.0008607	0.0008773	0.0008941	0.0009110	0.0009281	0.0009454
11	0.0009628	0.0009804	0.0009982	0.0010161	0.0010341	0.0010524	0.0010707	0.0010893	0.0011080	0.0011268
12	0.0011459	0.0011650	0.0011844	0.0012039	0.0012235	0.0012433	0.0012633	0.0012835	0.0013037	0.0013242
13	0.0013448	0.0013656	0.0013865	0.0014076	0.0014288	0.0014502	0.0014718	0.0014935	0.0015154	0.0015375
14	0.0015597	0.0015820	0.0016046	0.0016272	0.0016501	0.0016731	0.0016962	0.0017195	0.0017430	0.0017666
15	0.0017904	0.0018144	0.0018385	0.0018628	0.0018872	0.0019118	0.0019365	0.0019615	0.0019865	0.0020117
16	0.0020371	0.0020627	0.0020884	0.0021142	0.0021403	0.0021664	0.0021928	0.0022193	0.0022459	0.0022728
17	0.0022997	0.0023269	0.0023542	0.0023816	0.0024092	0.0024370	0.0024649	0.0024930	0.0025213	0.0025497
18	0.0025783	0.0026070	0.0026359	0.0026649	0.0026941	0.0027235	0.0027530	0.0027827	0.0028125	0.0028425
19	0.0028727	0.0029030	0.0029335	0.0029641	0.0029949	0.0030259	0.0030570	0.0030883	0.0031197	0.0031513
20	0.0031830	0.0032150	0.0032470	0.0032793	0.0033116	0.0033442	0.0033769	0.0034098	0.0034428	0.0034760
21	0.0035093	0.0035428	0.0035765	0.0036103	0.0036443	0.0036784	0.0037127	0.0037472	0.0037818	0.0038166
22	0.0038515	0.0038866	0.0039218	0.0039573	0.0039928	0.0040286	0.0040644	0.0041005	0.0041367	0.0041731
23	0.0042096	0.0042463	0.0042831	0.0043201	0.0043573	0.0043946	0.0044321	0.0044697	0.0045075	0.0045455
24	0.0045836	0.0046219	0.0046603	0.0046989	0.0047377	0.0047766	0.0048157	0.0048548	0.0048943	0.0049338
25	0.0049735	0.0050134	0.0050534	0.0050936	0.0051340	0.0051745	0.0052151	0.0052560	0.0052969	0.0053381
26	0.0053794	0.0054208	0.0054625	0.0055042	0.0055462	0.0055883	0.0056305	0.0056729	0.0057155	0.0057583
27	0.0058011	0.0058442	0.0058874	0.0059308	0.0059743	0.0060180	0.0060618	0.0061059	0.0061500	0.0061943
28	0.0062388	0.0062835	0.0063283	0.0063732	0.0064184	0.0064636	0.0065091	0.0065547	0.0066004	0.0066463
29	0.0066924	0.0067387	0.0067850	0.0068316	0.0068783	0.0069252	0.0069722	0.0070194	0.0070667	0.0071143
30	0.0071619	0.0072098	0.0072577	0.0073059	0.0073542	0.0074026	0.0074513	0.0075000	0.0075490	0.0075981
31	0.0076473	0.0076968	0.0077463	0.0077961	0.0078460	0.0078960	0.0079462	0.0079966	0.0080471	0.0080978
32	0.0081487	0.0081997	0.0082509	0.0083022	0.0083537	0.0084053	0.0084571	0.0085091	0.0085612	0.0086135
33	0.0086659	0.0087185	0.0087713	0.0088242	0.0088773	0.0089305	0.0089839	0.0090375	0.0090912	0.0091451
34	0.0091991	0.0092533	0.0093077	0.0093622	0.0094168	0.0094717	0.0095266	0.0095818	0.0096371	0.0096926
35	0.0097482	0.0098040	0.0098599	0.0099160	0.0099723	0.0100287	0.0100853	0.0101420	0.0101989	0.0102560
36	0.0103132	0.0103706	0.0104281	0.0104858	0.0105436	0.0106017	0.0106598	0.0107182	0.0107767	0.0108353
37	0.0108941	0.0109531	0.0110122	0.0110715	0.0111309	0.0111905	0.0112503	0.0113102	0.0113703	0.0114305
38	0.0114909	0.0115515	0.0116122	0.0116731	0.0117341	0.0117953	0.0118567	0.0119182	0.0119799	0.0120417

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
39	0.0121037	0.0121658	0.0122281	0.0122906	0.0123532	0.0124160	0.0124790	0.0125421	0.0126053	0.0126688
40	0.0127323	0.0127961	0.0128600	0.0129241	0.0129883	0.0130526	0.0131172	0.0131819	0.0132467	0.0133118
41	0.0133769	0.0134423	0.0135078	0.0135734	0.0136392	0.0137052	0.0137713	0.0138376	0.0139040	0.0139707
42	0.0140374	0.0141043	0.0141714	0.0142387	0.0143061	0.0143736	0.0144414	0.0145092	0.0145773	0.0146455
43	0.0147138	0.0147823	0.0148510	0.0149199	0.0149888	0.0150580	0.0151273	0.0151968	0.0152664	0.0153362
44	0.0154062	0.0154763	0.0155465	0.0156170	0.0156875	0.0157583	0.0158292	0.0159002	0.0159715	0.0160429
45	0.0161144	0.0161861	0.0162579	0.0163300	0.0164021	0.0164745	0.0165470	0.0166196	0.0166924	0.0167654
46	0.0168385	0.0169118	0.0169853	0.0170589	0.0171327	0.0172066	0.0172807	0.0173549	0.0174293	0.0175039
47	0.0175786	0.0176535	0.0177285	0.0178037	0.0178791	0.0179546	0.0180303	0.0181061	0.0181821	0.0182583
48	0.0183346	0.0184111	0.0184877	0.0185645	0.0186415	0.0187186	0.0187958	0.0188733	0.0189509	0.0190286
49	0.0191065	0.0191846	0.0192628	0.0193412	0.0194197	0.0194984	0.0195773	0.0196563	0.0197355	0.0198148
50	0.0198943	0.0199740	0.0200538	0.0201338	0.0202139	0.0202942	0.0203747	0.0204553	0.0205360	0.0206170
51	0.0206981	0.0207793	0.0208607	0.0209423	0.0210240	0.0211059	0.0211879	0.0212701	0.0213525	0.0214350
52	0.0215177	0.0216005	0.0216835	0.0217667	0.0218500	0.0219335	0.0220171	0.0221009	0.0221849	0.0222690
53	0.0223533	0.0224377	0.0225223	0.0226070	0.0226919	0.0227770	0.0228622	0.0229476	0.0230332	0.0231189
54	0.0232047	0.0232908	0.0233770	0.0234633	0.0235498	0.0236365	0.0237233	0.0238103	0.0238974	0.0239847
55	0.0240721	0.0241598	0.0242475	0.0243355	0.0244236	0.0245118	0.0246002	0.0246888	0.0247775	0.0248664
56	0.0249555	0.0250447	0.0251340	0.0252235	0.0253132	0.0254031	0.0254931	0.0255832	0.0256736	0.0257640
57	0.0258547	0.0259455	0.0260364	0.0261275	0.0262188	0.0263103	0.0264019	0.0264936	0.0265855	0.0266776
58	0.0267698	0.0268622	0.0269548	0.0270475	0.0271403	0.0272334	0.0273265	0.0274199	0.0275134	0.0276071
59	0.0277009	0.0277949	0.0278890	0.0279833	0.0280778	0.0281724	0.0282671	0.0283621	0.0284572	0.0285524
60	0.0286478	0.0287434	0.0288392	0.0289350	0.0290311	0.0291273	0.0292237	0.0293202	0.0294169	0.0295137
61	0.0296107	0.0297079	0.0298052	0.0299027	0.0300003	0.0300981	0.0301961	0.0302942	0.0303925	0.0304909
62	0.0305895	0.0306883	0.0307872	0.0308863	0.0309855	0.0310849	0.0311845	0.0312842	0.0313840	0.0314841
63	0.0315843	0.0316846	0.0317851	0.0318858	0.0319866	0.0320876	0.0321887	0.0322900	0.0323915	0.0324931
64	0.0325949	0.0326968	0.0327989	0.0329012	0.0330036	0.0331062	0.0332089	0.0333118	0.0334149	0.0335181
65	0.0336214	0.0337250	0.0338287	0.0339325	0.0340365	0.0341407	0.0342450	0.0343495	0.0344541	0.0345589
66	0.0346639	0.0347690	0.0348743	0.0349797	0.0350853	0.0351911	0.0352970	0.0354031	0.0355093	0.0356157
67	0.0357223	0.0358290	0.0359359	0.0360429	0.0361501	0.0362574	0.0363650	0.0364726	0.0365804	0.0366884
68	0.0367966	0.0369049	0.0370133	0.0371220	0.0372308	0.0373397	0.0374488	0.0375581	0.0376675	0.0377771
69	0.0378868	0.0379967	0.0381067	0.0382170	0.0383273	0.0384379	0.0385486	0.0386594	0.0387704	0.0388816
70	0.0389929	0.0391044	0.0392161	0.0393279	0.0394398	0.0395520	0.0396642	0.0397767	0.0398893	0.0400020
71	0.0401150	0.0402280	0.0403413	0.0404547	0.0405682	0.0406820	0.0407958	0.0409099	0.0410241	0.0411384
72	0.0412529	0.0413676	0.0414824	0.0415974	0.0417126	0.0418279	0.0419433	0.0420590	0.0421747	0.0422907
73	0.0424068	0.0425231	0.0426395	0.0427561	0.0428728	0.0429897	0.0431068	0.0432240	0.0433414	0.0434589
74	0.0435766	0.0436944	0.0438125	0.0439306	0.0440490	0.0441674	0.0442861	0.0444049	0.0445239	0.0446430
75	0.0447623	0.0448817	0.0450013	0.0451211	0.0452410	0.0453611	0.0454813	0.0456018	0.0457223	0.0458430
76	0.0459639	0.0460849	0.0462061	0.0463275	0.0464490	0.0465707	0.0466925	0.0468145	0.0469367	0.0470590
77	0.0471814	0.0473041	0.0474269	0.0475498	0.0476729	0.0477962	0.0479196	0.0480432	0.0481669	0.0482908

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
78	0.0484149	0.0485391	0.0486635	0.0487880	0.0489127	0.0490376	0.0491626	0.0492878	0.0494131	0.0495386
79	0.0496643	0.0497901	0.0499160	0.0500422	0.0501685	0.0502949	0.0504215	0.0505483	0.0506752	0.0508023
80	0.0509295	0.0510569	0.0511845	0.0513122	0.0514401	0.0515682	0.0516964	0.0518247	0.0519532	0.0520819
81	0.0522107	0.0523397	0.0524689	0.0525982	0.0527277	0.0528573	0.0529871	0.0531170	0.0532472	0.0533774
82	0.0535079	0.0536384	0.0537692	0.0539001	0.0540312	0.0541624	0.0542938	0.0544253	0.0545570	0.0546889
83	0.0548209	0.0549531	0.0550854	0.0552179	0.0553505	0.0554834	0.0556163	0.0557495	0.0558828	0.0560162
84	0.0561498	0.0562836	0.0564175	0.0565516	0.0566859	0.0568203	0.0569548	0.0570896	0.0572244	0.0573595
85	0.0574947	0.0576300	0.0577656	0.0579012	0.0580371	0.0581731	0.0583092	0.0584456	0.0585820	0.0587187
86	0.0588555	0.0589924	0.0591295	0.0592668	0.0594042	0.0595418	0.0596796	0.0598175	0.0599555	0.0600938
87	0.0602322	0.0603707	0.0605094	0.0606483	0.0607873	0.0609265	0.0610658	0.0612053	0.0613450	0.0614848
88	0.0616248	0.0617649	0.0619052	0.0620456	0.0621863	0.0623270	0.0624680	0.0626091	0.0627503	0.0628917
89	0.0630333	0.0631750	0.0633169	0.0634589	0.0636011	0.0637435	0.0638860	0.0640287	0.0641716	0.0643146
90	0.0644577	0.0646010	0.0647445	0.0648881	0.0650319	0.0651759	0.0653200	0.0654643	0.0656087	0.0657533
91	0.0658981	0.0660430	0.0661880	0.0663333	0.0664787	0.0666242	0.0667699	0.0669158	0.0670618	0.0672080
92	0.0673543	0.0675008	0.0676475	0.0677943	0.0679413	0.0680884	0.0682357	0.0683832	0.0685308	0.0686786
93	0.0688265	0.0689746	0.0691229	0.0692713	0.0694198	0.0695686	0.0697175	0.0698665	0.0700157	0.0701651
94	0.0703146	0.0704643	0.0706141	0.0707642	0.0709143	0.0710646	0.0712151	0.0713658	0.0715166	0.0716675
95	0.0728186	0.0719699	0.0721213	0.0722729	0.0724247	0.0725766	0.0727287	0.0728809	0.0730333	0.0731859
96	0.0733386	0.0734914	0.0736445	0.0737976	0.0739510	0.0741045	0.0742582	0.0744120	0.0745660	0.0747201
97	0.0748744	0.0750289	0.0751835	0.0753383	0.0754932	0.0756483	0.0758036	0.0759590	0.0761145	0.0762703
98	0.0764262	0.0765822	0.0767384	0.0768948	0.0770513	0.0772080	0.0773649	0.0775219	0.0776790	0.0778364
99	0.0779938	0.0781515	0.0783093	0.0784673	0.0786254	0.0787837	0.0789421	0.0791007	0.0792594	0.0794184
100	0.0795774	0.0797367	0.0798961	0.0800556	0.0802153	0.0803752	0.0805352	0.0806954	0.0808558	0.0810163
101	0.0811769	0.0813378	0.0814988	0.0816599	0.0818212	0.0819827	0.0821443	0.0823061	0.0824680	0.0826301
102	0.0827924	0.0829548	0.0831174	0.0832801	0.0834430	0.0836060	0.0837693	0.0839326	0.0840962	0.0842599
103	0.0844237	0.0845877	0.0847519	0.0849162	0.0850807	0.0852453	0.0854101	0.0855751	0.0857402	0.0859055
104	0.0860710	0.0862366	0.0864023	0.0865682	0.0867343	0.0869006	0.0870670	0.0872335	0.0874002	0.0875671
105	0.0877341	0.0879013	0.0880687	0.0882362	0.0884039	0.0885717	0.0887397	0.0889078	0.0890761	0.0892446
106	0.0894132	0.0895820	0.0897509	0.0899200	0.0900893	0.0902587	0.0904283	0.0905980	0.0907679	0.0909380
107	0.0911082	0.0912786	0.0914491	0.0916198	0.0917907	0.0919617	0.0921329	0.0923042	0.0924757	0.0926473
108	0.0928191	0.0929911	0.0931632	0.0933355	0.0935080	0.0936806	0.0938533	0.0940262	0.0941993	0.0943726
109	0.0945460	0.0947195	0.0948932	0.0950671	0.0952412	0.0954153	0.0955897	0.0957642	0.0959389	0.0961137
110	0.0962887	0.0964639	0.0966392	0.0968146	0.0969903	0.0971661	0.0973420	0.0975181	0.0976944	0.0978708
111	0.0980474	0.0982241	0.0984010	0.0985781	0.0987553	0.0989327	0.0991102	0.0992879	0.0994658	0.0996438
112	0.0998220	0.1000003	0.1001788	0.1003574	0.1005362	0.1007152	0.1008943	0.1010736	0.1012531	0.1014327
113	0.1016124	0.1017924	0.1019725	0.1021527	0.1023331	0.1025137	0.1026944	0.1028753	0.1030563	0.1032375
114	0.1034189	0.1036004	0.1037820	0.1039639	0.1041459	0.1043280	0.1045103	0.1046928	0.1048754	0.1050582
115	0.1052412	0.1054243	0.1056076	0.1057910	0.1059746	0.1061583	0.1063422	0.1065263	0.1067105	0.1068949
116	0.1070794	0.1072641	0.1074490	0.1076340	0.1078192	0.1080045	0.1081900	0.1083757	0.1085615	0.1087474

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
117	0.1089336	0.1091199	0.1093063	0.1094929	0.1096797	0.1098666	0.1100537	0.1102410	0.1104284	0.1106159
118	0.1108036	0.1109915	0.1111796	0.1113678	0.1115561	0.1117446	0.1119333	0.1121222	0.1123112	0.1125003
119	0.1126896	0.1128791	0.1130687	0.1132585	0.1134485	0.1136386	0.1138289	0.1140193	0.1142099	0.1144006
120	0.1145915	0.1147826	0.1149738	0.1151652	0.1153568	0.1155485	0.1157403	0.1159323	0.1161245	0.1163169
121	0.1165094	0.1167020	0.1168948	0.1170878	0.1172809	0.1174742	0.1176677	0.1178613	0.1180551	0.1182490
122	0.1184431	0.1186373	0.1188317	0.1190263	0.1192210	0.1194159	0.1196110	0.1198062	0.1200015	0.1201971
123	0.1203927	0.1205886	0.1207846	0.1209807	0.1211770	0.1213735	0.1215702	0.1217670	0.1219639	0.1221610
124	0.1223583	0.1225557	0.1227533	0.1229511	0.1231490	0.1233470	0.1235453	0.1237437	0.1239422	0.1241409
125	0.1243398	0.1245388	0.1247380	0.1249373	0.1251368	0.1253365	0.1255363	0.1257363	0.1259364	0.1261367
126	0.1263372	0.1265378	0.1267386	0.1269395	0.1271406	0.1273418	0.1275432	0.1277448	0.1279465	0.1281484
127	0.1283505	0.1285527	0.1287551	0.1289576	0.1291603	0.1293631	0.1295661	0.1297693	0.1299726	0.1301761
128	0.1303797	0.1305835	0.1307875	0.1309916	0.1311959	0.1314003	0.1316049	0.1318096	0.1320145	0.1322196
139	0.1324248	0.1326302	0.1328358	0.1330415	0.1332474	0.1334534	0.1336596	0.1338659	0.1340724	0.1342791
130	0.1344859	0.1346929	0.1349000	0.1351073	0.1353148	0.1355224	0.1357302	0.1359381	0.1361462	0.1363545
131	0.1365629	0.1367714	0.1369802	0.1371891	0.1373981	0.1376073	0.1378167	0.1280262	0.1382359	0.1384458
132	0.1386558	0.1388659	0.1390763	0.1392867	0.1394974	0.1397082	0.1399191	0.1401303	0.1403415	0.1405530
133	0.1407646	0.1409763	0.1411882	0.1414003	0.1416125	0.1418249	0.1420375	0.1422502	0.1424631	0.1426761
134	0.1428893	0.1431026	0.1433161	0.1435298	0.1437436	0.1439576	0.1441718	0.1443861	0.1446005	0.1448151
135	0.1450299	0.1452449	0.1454600	0.1456752	0.1458906	0.1461062	0.1463219	0.1465378	0.1467539	0.1469701
136	0.1471865	0.1474030	0.1476197	0.1478365	0.1480535	0.1482707	0.1484880	0.1487055	0.1489232	0.1491410
137	0.1493589	0.1495771	0.1497953	0.1500138	0.1502324	0.1504511	0.1506701	0.1508891	0.1511084	0.1513278
138	0.1515473	0.1517670	0.1519869	0.1522069	0.1524271	0.1526475	0.1528680	0.1530887	0.1533095	0.1535305
139	0.1537516	0.1539729	0.1541944	0.1544160	0.1546378	0.1548597	0.1550818	0.1553041	0.1555265	0.1557491
140	0.1559718	0.1561947	0.1564178	0.1566410	0.1568644	0.1570879	0.1573116	0.1575354	0.1577595	0.1579836
141	0.1582080	0.1584324	0.1586571	0.1588819	0.1591069	0.1593320	0.1595573	0.1597827	0.1600083	0.1602341
142	0.1604600	0.1606861	0.1609123	0.1611387	0.1613653	0.1615920	0.1618189	0.1620459	0.1622731	0.1625004
143	0.1627280	0.1629556	0.1631835	0.1634114	0.1636396	0.1638679	0.1640964	0.1643250	0.1645538	0.1647827
144	0.1650118	0.1652411	0.1654705	0.1657001	0.1659298	0.1661597	0.1663898	0.1666200	0.1668504	0.1670809
145	0.1673116	0.1675425	0.1677735	0.1680047	0.1682360	0.1684675	0.1686991	0.1689309	0.1691629	0.1693950
146	0.1696273	0.1698598	0.1700924	0.1703251	0.1705581	0.1707911	0.1710244	0.1712578	0.1714913	0.1717251
147	0.1719589	0.1721930	0.1724272	0.1726615	0.1728960	0.1731307	0.1733656	0.1736005	0.1738357	0.1740710
148	0.1743065	0.1745421	0.1747779	0.1750138	0.1752500	0.1754862	0.1757226	0.1759592	0.1761960	0.1764329
149	0.1766699	0.1769072	0.1771445	0.1773821	0.1776198	0.1778576	0.1780956	0.1783338	0.1785722	0.1788106
150	0.1790493	0.1792881	0.1795271	0.1797662	0.1800055	0.1802450	0.1804846	0.1807243	0.1809643	0.1812043
151	0.1814446	0.1816850	0.1819255	0.1821663	0.1824072	0.1826482	0.1828894	0.1831307	0.1833723	0.1836139
152	0.1838558	0.1840978	0.1843399	0.1845822	0.1848247	0.1850673	0.1853101	0.1855531	0.1857962	0.1860395
153	0.1862829	0.1865265	0.1867702	0.1870141	0.1872582	0.1875024	0.1877468	0.1879913	0.1882360	0.1884809
154	0.1887259	0.1889711	0.1892164	0.1894619	0.1897076	0.1899534	0.1901994	0.1904455	0.1906918	0.1909383
155	0.1911849	0.1914316	0.1916786	0.1919257	0.1921729	0.1924203	0.1926679	0.1929156	0.1931635	0.1934115

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
156	0.1936597	0.1939081	0.1941566	0.1944053	0.1946541	0.1949031	0.1951523	0.1954016	0.1956511	0.1959007
157	0.1961505	0.1964005	0.1966506	0.1969008	0.1971513	0.1974019	0.1976526	0.1979035	0.1981546	0.1984058
158	0.1986572	0.1989087	0.1991604	0.1994123	0.1996643	0.1999165	0.2001688	0.2004213	0.2006740	0.2009268
159	0.2011798	0.2014329	0.2016862	0.2019397	0.2021933	0.2024471	0.2027010	0.2029551	0.2032093	0.2034638
160	0.2037183	0.2039730	0.2042279	0.2044830	0.2047382	0.2049935	0.2052491	0.2055048	0.2057606	0.2060166
161	0.2062728	0.2065291	0.2067856	0.2070422	0.2072990	0.2075559	0.2078131	0.2080703	0.2083278	0.2085854
162	0.2088431	0.2091010	0.2093591	0.2096173	0.2098757	0.2101343	0.2103930	0.2106518	0.2109109	0.2111700
163	0.2114294	0.2116889	0.2119485	0.2122084	0.2124683	0.2127285	0.2129888	0.2132492	0.2135099	0.2137706
164	0.2140316	0.2142927	0.2145539	0.2148153	0.2150769	0.2153386	0.2156005	0.2158626	0.2161248	0.2163871
165	0.2166497	0.2169123	0.2171752	0.2174382	0.2177014	0.2179647	0.2182282	0.2184918	0.2187556	0.2190196
166	0.2192837	0.2195480	0.2198124	0.2200770	0.2203417	0.2206067	0.2208717	0.2211370	0.2214023	0.2216679
167	0.2219336	0.2221995	0.2224655	0.2227317	0.2229980	0.2232645	0.2235312	0.2237980	0.2240650	0.2243322
168	0.2245995	0.2248669	0.2251345	0.2254023	0.2256702	0.2259383	0.2262066	0.2264750	0.2267436	0.2270123
169	0.2272812	0.2275503	0.2278195	0.2280888	0.2283584	0.2286281	0.2288979	0.2291679	0.2294381	0.2297084
170	0.2299789	0.2302495	0.2305203	0.2307913	0.2310624	0.2313337	0.2316051	0.2318767	0.2321485	0.2324204
171	0.2326925	0.2329647	0.2332371	0.2335097	0.2337824	0.2340552	0.2343283	0.2346015	0.2348748	0.2351483
172	0.2354220	0.2356958	0.2359698	0.2362439	0.2365183	0.2367927	0.2370673	0.2373421	0.2376171	0.2378922
173	0.2381674	0.2384428	0.2387184	0.2389941	0.2392700	0.2395461	0.2398223	0.2400987	0.2403752	0.2406519
174	0.2409288	0.2412058	0.2414829	0.2417603	0.2420377	0.2423154	0.2425932	0.2428712	0.2431493	0.2434276
175	0.2437060	0.2439846	0.2442634	0.2445423	0.2448214	0.2451006	0.2453800	0.2456596	0.2459393	0.2462191
176	0.2464992	0.2467794	0.2470597	0.2473402	0.2476209	0.2479017	0.2481827	0.2484639	0.2487452	0.2490266
177	0.2493083	0.2495900	0.2498720	0.2501541	0.2504364	0.2507188	0.2510014	0.2512841	0.2515670	0.2518500
178	0.2521333	0.2524166	0.2527002	0.2529839	0.2532677	0.2535517	0.2538359	0.2541202	0.2544047	0.2546894
179	0.2549742	0.2552591	0.2555443	0.2558296	0.2561150	0.2564006	0.2566864	0.2569723	0.2572584	0.2575446
180	0.2578310	0.2581176	0.2584043	0.2586912	0.2589782	0.2592654	0.2595527	0.2598403	0.2601279	0.2604158
181	0.2607038	0.2609919	0.2612802	0.2615687	0.2618573	0.2621461	0.2624350	0.2627242	0.2630134	0.2633028
182	0.2635924	0.2638822	0.2641721	0.2644621	0.2647523	0.2650427	0.2653333	0.2656240	0.2659148	0.2662058
183	0.2664970	0.2667883	0.2670798	0.2673715	0.2676633	0.2679553	0.2682474	0.2685397	0.2688321	0.2691247
184	0.2694175	0.2697104	0.2700035	0.2702967	0.2705901	0.2708837	0.2711774	0.2714713	0.2717653	0.2720595
185	0.2723539	0.2726484	0.2729431	0.2732379	0.2735329	0.2738281	0.2741234	0.2744189	0.2747145	0.2750103
186	0.2753062	0.2756023	0.2758986	0.2761950	0.2764916	0.2767884	0.2770853	0.2773823	0.2776795	0.2779769
187	0.2782745	0.2785722	0.2788700	0.2791680	0.2794662	0.2797646	0.2800631	0.2803617	0.2806605	0.2809595
188	0.2812586	0.2815579	0.2818574	0.2821570	0.2824567	0.2827567	0.2830568	0.2833570	0.2836574	0.2839580
189	0.2842587	0.2845596	0.2848606	0.2851618	0.2854632	0.2857647	0.2860664	0.2863682	0.2866702	0.2869724
190	0.2872747	0.2875772	0.2878798	0.2881826	0.2884855	0.2887886	0.2890919	0.2893953	0.2896989	0.2900027
191	0.2903066	0.2906107	0.2909149	0.2912193	0.2915238	0.2918285	0.2921334	0.2924384	0.2927436	0.2930489
192	0.2933544	0.2936601	0.2939659	0.2942719	0.2945780	0.2948843	0.2951907	0.2954973	0.2958041	0.2961110
193	0.2964181	0.2967254	0.2970328	0.2973404	0.2976481	0.2979560	0.2982640	0.2985722	0.2988806	0.2991891
194	0.2994978	0.2998066	0.3001156	0.3004248	0.3007341	0.3010436	0.3013532	0.3016630	0.3019730	0.3022831

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
195	0.3025933	0.3029038	0.3032144	0.3035251	0.3038360	0.3041471	0.3044583	0.3047697	0.3050813	0.3053930
196	0.3057048	0.3060169	0.3063290	0.3066414	0.3069539	0.3072665	0.3075794	0.3078923	0.3082055	0.3085188
197	0.3088322	0.3091458	0.3094596	0.3097735	0.3100876	0.3104019	0.3107163	0.3110309	0.3113456	0.3116605
198	0.3119755	0.3122907	0.3126061	0.3129216	0.3132373	0.3135532	0.3138692	0.3141853	0.3145016	0.3148181
199	0.3151348	0.3154516	0.3157685	0.3160856	0.3164029	0.3167203	0.3170379	0.3173557	0.3176736	0.3179917
200	0.3183099	0.3186283	0.3189463	0.3192655	0.3195844	0.3199034	0.3202226	0.3205420	0.3208615	0.3211811
201	0.3215010	0.3218209	0.3221411	0.3224614	0.3227818	0.3231025	0.3234232	0.3237442	0.3240653	0.3243865
202	0.3247079	0.3250295	0.3253512	0.3256731	0.3259952	0.3263174	0.3266398	0.3269623	0.3272850	0.3276078
203	0.3279308	0.3282540	0.3285773	0.3289008	0.3292244	0.3295482	0.3298722	0.3301963	0.3305206	0.3308450
204	0.3311696	0.3314944	0.3318193	0.3321444	0.3324696	0.3327950	0.3331205	0.3334463	0.3337721	0.3340982
205	0.3344243	0.3347507	0.3350772	0.3354039	0.3357307	0.3360577	0.3363848	0.3367121	0.3370396	0.3373672
206	0.3376950	0.3380229	0.3383510	0.3386793	0.3390077	0.3393363	0.3396650	0.3399939	0.3403229	0.3406522
207	0.3409815	0.3413111	0.3416407	0.3419706	0.3423006	0.3426308	0.3429611	0.3432916	0.3436222	0.3439530
208	0.3442840	0.3446151	0.3449464	0.3452778	0.3456094	0.3459412	0.3462731	0.3466052	0.3469374	0.3472698
209	0.3476024	0.3479351	0.3482680	0.3486010	0.3489342	0.3492675	0.3496010	0.3499347	0.3502685	0.3506025
210	0.3509367	0.3512710	0.3516054	0.3519401	0.3522748	0.3526098	0.3529449	0.3532802	0.3536156	0.3539511
211	0.3542869	0.3546228	0.3549588	0.3552951	0.3556314	0.3559680	0.3563047	0.3566415	0.3569785	0.3573157
212	0.3576530	0.3579905	0.3583281	0.3586660	0.3590039	0.3593420	0.3596803	0.3600188	0.3603574	0.3606961
213	0.3610351	0.3613741	0.3617134	0.3620528	0.3623923	0.3627320	0.3630719	0.3634120	0.3637522	0.3640925
214	0.3644330	0.3647737	0.3651145	0.3654555	0.3657967	0.3661380	0.3664794	0.3668211	0.3671628	0.3675048
215	0.3678469	0.3681892	0.3685316	0.3688742	0.3692169	0.3695598	0.3699029	0.3702461	0.3705894	0.3709330
216	0.3712767	0.3716205	0.3719645	0.3723087	0.3726531	0.3729975	0.3733422	0.3736870	0.3740320	0.3743771
217	0.3747224	0.3750678	0.3754134	0.3757592	0.3761051	0.3764512	0.3767974	0.3771438	0.3774904	0.3778371
218	0.3781840	0.3785310	0.3788782	0.3792256	0.3795731	0.3799208	0.3802686	0.3806166	0.3809648	0.3813131
219	0.3816615	0.3820102	0.3823590	0.3827079	0.3830570	0.3834063	0.3837557	0.3841053	0.3844550	0.3848049
220	0.3851550	0.3855052	0.3858556	0.3862061	0.3865568	0.3869077	0.3872587	0.3876099	0.3879612	0.3883127
221	0.3886644	0.3890162	0.3893681	0.3897203	0.3900726	0.3904250	0.3907776	0.3911304	0.3914833	0.3918364
222	0.3921896	0.3925430	0.3928966	0.3932503	0.3936042	0.3939583	0.3943125	0.3946668	0.3950213	0.3953760
223	0.3957308	0.3960858	0.3964410	0.3967963	0.3971518	0.3975074	0.3978632	0.3982191	0.3985753	0.3989315
224	0.3992880	0.3996445	0.4000013	0.4003582	0.4007153	0.4010725	0.4014299	0.4017874	0.4021451	0.4025030
225	0.4028610	0.4032192	0.4035775	0.4039360	0.4042947	0.4046535	0.4050124	0.4053716	0.4057309	0.4060903
226	0.4064499	0.4068097	0.4071696	0.4075297	0.4078900	0.4082504	0.4086109	0.4089717	0.4093325	0.4096936
227	0.4100548	0.4104162	0.4107777	0.4111394	0.4115012	0.4118632	0.4122253	0.4125877	0.4129501	0.4133128
228	0.4136756	0.4140385	0.4144016	0.4147649	0.4151283	0.4154919	0.4158557	0.4162196	0.4165836	0.4169479
229	0.4173123	0.4176768	0.4180415	0.4184064	0.4187714	0.4191366	0.4195019	0.4198674	0.4202331	0.4205989
230	0.4209649	0.4213310	0.4216973	0.4220637	0.4224304	0.4227971	0.4231641	0.4235312	0.4238984	0.4242658
231	0.4246334	0.4250011	0.4253690	0.4257370	0.4261053	0.4264736	0.4268421	0.4272108	0.4275797	0.4279487
232	0.4283178	0.4286871	0.4290566	0.4294263	0.4297961	0.4301660	0.4305361	0.4309064	0.4312768	0.4316474
233	0.4320182	0.4323891	0.4327602	0.4331314	0.4335028	0.4338743	0.4342460	0.4346179	0.4349899	0.4353621

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
234	0.4357344	0.4361069	0.4364796	0.4368524	0.4372254	0.4375985	0.4379718	0.4383453	0.4387189	0.4390927
235	0.4394666	0.4398407	0.4402150	0.4405894	0.4409640	0.4413387	0.4417136	0.4420886	0.4424638	0.4428392
236	0.4432147	0.4435904	0.4439663	0.4443423	0.4447184	0.4450947	0.4454712	0.4458479	0.4462247	0.4466016
237	0.4469787	0.4473560	0.4477335	0.4481111	0.4484888	0.4488667	0.4492448	0.4496230	0.4500014	0.4503800
238	0.4507587	0.4511375	0.4515166	0.4518958	0.4522751	0.4526546	0.4530343	0.4534141	0.4537941	0.4541742
239	0.4545545	0.4549350	0.4553156	0.4556964	0.4560773	0.4564584	0.4568397	0.4572211	0.4576027	0.4579844
240	0.4583663	0.4587483	0.4591305	0.4595129	0.4598954	0.4602781	0.4606610	0.4610440	0.4614272	0.4618105
241	0.4621940	0.4625776	0.4629614	0.4633454	0.4637295	0.4641138	0.4644982	0.4648828	0.4652676	0.4656525
242	0.4660376	0.4664228	0.4668082	0.4671937	0.4675794	0.4679653	0.4683513	0.4687375	0.4691239	0.4695104
243	0.4698971	0.4702839	0.4706709	0.4710580	0.4714453	0.4718328	0.4722204	0.4726082	0.4729961	0.4733842
244	0.4737725	0.4741609	0.4745495	0.4749382	0.4753271	0.4757162	0.4761054	0.4764947	0.4768843	0.4772740
245	0.4776638	0.4780538	0.4784440	0.4788343	0.4792248	0.4796155	0.4800063	0.4803972	0.4807884	0.4811796
246	0.4815711	0.4819627	0.4823544	0.4827464	0.4831384	0.4835307	0.4839231	0.4843156	0.4847083	0.4851012
247	0.4854942	0.4858874	0.4862808	0.4866743	0.4870680	0.4874618	0.4878558	0.4882499	0.4886442	0.4890387
248	0.4894333	0.4898281	0.4902231	0.4906182	0.4910134	0.4914088	0.4918044	0.4922002	0.4925961	0.4929921
249	0.4933883	0.4937847	0.4941812	0.4945779	0.4949748	0.4953718	0.4957690	0.4961663	0.4965638	0.4969614
250	0.4973593	0.4977572	0.4981553	0.4985536	0.4989521	0.4993507	0.4997494	0.5001484	0.5005474	0.5009467
251	0.5013461	0.5017456	0.5021454	0.5025452	0.5029453	0.5033455	0.5037458	0.5041563	0.5045470	0.5049478
252	0.5053488	0.5057500	0.5061513	0.5065528	0.5069544	0.5073562	0.5077581	0.5081602	0.5085625	0.5089649
253	0.5093675	0.5097702	0.5101731	0.5105762	0.5109794	0.5113828	0.5117863	0.5121900	0.5125939	0.5129979
254	0.5134021	0.5138064	0.5142109	0.5146156	0.5150204	0.5154253	0.5158305	0.5162357	0.5166412	0.5170468
255	0.5174526	0.5178585	0.5182646	0.5186708	0.5190772	0.5194838	0.5198905	0.5202974	0.5207044	0.5211116
256	0.5215190	0.5219265	0.5223342	0.5227420	0.5231500	0.5235582	0.5239665	0.5243749	0.5247836	0.5251924
257	0.5256013	0.5260104	0.5264197	0.5268291	0.5272387	0.5276484	0.5280583	0.5284684	0.5288786	0.5292890
258	0.5296995	0.5301102	0.5305211	0.5309321	0.5313433	0.5317546	0.5321661	0.5325778	0.5329896	0.5334016
259	0.5338137	0.5342260	0.5346384	0.5350510	0.5354638	0.5358767	0.5362898	0.5367031	0.5371165	0.5375300
260	0.5379438	0.5383577	0.5387717	0.5391859	0.5396003	0.5400148	0.5404295	0.5408443	0.5412593	0.5416744
261	0.5420898	0.5425052	0.5429209	0.5433367	0.5437526	0.5441687	0.5445850	0.5450014	0.5454180	0.5458348
262	0.5462517	0.5466687	0.5470859	0.5475033	0.5479209	0.5483386	0.5487564	0.5491745	0.5495926	0.5500110
263	0.5504295	0.5508481	0.5512670	0.5516859	0.5521051	0.5525244	0.5529438	0.5533634	0.5537832	0.5542031
264	0.5546232	0.5550435	0.5554639	0.5558844	0.5563052	0.5567260	0.5571471	0.5575683	0.5579897	0.5584112
265	0.5588329	0.5592547	0.5596767	0.5600989	0.5605212	0.5609437	0.5613663	0.5617891	0.5622120	0.5626352
266	0.5630584	0.5634819	0.5639054	0.5643292	0.5647531	0.5651772	0.5656014	0.5660258	0.5664503	0.5668750
267	0.5672999	0.5677249	0.5681501	0.5685755	0.5690010	0.5694266	0.5698524	0.5702784	0.5707045	0.5711308
268	0.5715573	0.5719839	0.5724107	0.5728376	0.5732647	0.5736920	0.5741194	0.5745469	0.5749747	0.5754026
269	0.5758306	0.5762588	0.5766872	0.5771157	0.5775444	0.5779732	0.5784022	0.5788314	0.5792607	0.5796902
270	0.5801198	0.5805496	0.5809796	0.5814097	0.5818400	0.5822704	0.5827010	0.5831318	0.5835627	0.5839938
271	0.5844250	0.5848564	0.5852879	0.5857196	0.5861515	0.5865835	0.5870157	0.5874480	0.5878806	0.5883132
272	0.5887460	0.5891790	0.5896122	0.5900455	0.5904789	0.5909125	0.5913463	0.5917802	0.5922143	0.5926486

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
273	0.5930830	0.5935176	0.5939523	0.5943872	0.5948223	0.5952575	0.5956928	0.5961284	0.5965640	0.5969999
274	0.5974359	0.5978721	0.5983084	0.5987449	0.5991815	0.5996183	0.6000553	0.6004924	0.6009297	0.6013671
275	0.6018047	0.6022425	0.6026804	0.6031184	0.6035567	0.6039951	0.6044336	0.6048723	0.6053112	0.6057502
276	0.6061894	0.6066288	0.6070683	0.6075079	0.6079478	0.6083878	0.6088279	0.6092682	0.6097087	0.6101493
277	0.6105901	0.6110310	0.6114721	0.6119134	0.6123548	0.6127963	0.6132381	0.6136800	0.6141220	0.6145642
278	0.6150066	0.6154491	0.6158918	0.6163347	0.6167777	0.6172209	0.6176642	0.6181077	0.6185513	0.6189951
279	0.6194391	0.6198832	0.6203275	0.6207719	0.6212165	0.6216613	0.6221062	0.6225513	0.6229965	0.6234419
280	0.6238875	0.6243332	0.6247790	0.6252251	0.6256713	0.6261176	0.6265641	0.6270108	0.6274576	0.6279046
281	0.6283518	0.6287991	0.6292465	0.6296941	0.6301419	0.6305899	0.6310380	0.6314862	0.6319347	0.6323832
282	0.6328320	0.6332809	0.6337299	0.6341791	0.6346285	0.6350780	0.6355277	0.6359776	0.6364276	0.6368778
283	0.6373281	0.6377786	0.6382292	0.6386800	0.6391310	0.6395821	0.6400334	0.6404849	0.6409365	0.6413882
284	0.6418401	0.6422922	0.6427445	0.6431969	0.6436494	0.6441021	0.6445550	0.6450080	0.6454612	0.6459146
285	0.6463681	0.6468218	0.6472756	0.6477296	0.6481837	0.6486380	0.6490925	0.6495471	0.6500019	0.6504569
286	0.6509120	0.6513672	0.6518227	0.6522782	0.6527340	0.6531899	0.6536459	0.6541022	0.6545585	0.6550151
287	0.6554718	0.6559286	0.6563856	0.6568428	0.6573001	0.6577576	0.6582153	0.6586731	0.6591311	0.6595892
288	0.6600475	0.6605059	0.6609645	0.6614233	0.6618822	0.6623413	0.6628005	0.6632599	0.6637195	0.6641792
289	0.6646391	0.6650991	0.6655593	0.6660197	0.6664802	0.6669409	0.6674017	0.6678627	0.6683238	0.6687852
290	0.6692466	0.6697083	0.6701700	0.6706320	0.6710941	0.6715564	0.6720188	0.6724814	0.6729441	0.6734070
291	0.6738701	0.6743333	0.6747967	0.6752602	0.6757239	0.6761878	0.6766518	0.6771160	0.6775803	0.6780448
292	0.6785094	0.6789743	0.6794392	0.6799044	0.6803696	0.6808351	0.6813007	0.6817665	0.6822324	0.6826985
293	0.6831647	0.6836311	0.6840977	0.6845644	0.6850313	0.6854983	0.6859655	0.6864329	0.6869004	0.6873681
294	0.6878359	0.6883039	0.6887721	0.6892404	0.6897089	0.6901775	0.6906463	0.6911152	0.6915843	0.6920536
295	0.6925230	0.6929926	0.6934624	0.6939323	0.6944023	0.6948726	0.6953429	0.6958135	0.6962842	0.6967551
296	0.6972261	0.6976972	0.6981686	0.6986401	0.6991117	0.6995836	0.7000555	0.7005277	0.7010000	0.7014724
297	0.7019450	0.7024178	0.7028907	0.7033638	0.7038370	0.7043105	0.7047840	0.7052577	0.7057316	0.7062057
298	0.7066799	0.7071542	0.7076288	0.7081034	0.7085783	0.7090533	0.7095284	0.7100037	0.7104792	0.7109549
299	0.7114307	0.7119066	0.7123827	0.7128590	0.7133354	0.7138120	0.7142888	0.7147657	0.7152427	0.7157200
300	0.7161973	0.7166749	0.7171526	0.7176305	0.7181085	0.7185867	0.7190650	0.7195435	0.7200222	0.7205010
301	0.7209800	0.7214591	0.7219384	0.7224178	0.7228975	0.7233772	0.7238572	0.7243372	0.7248175	0.7252979
302	0.7257785	0.7262592	0.7267401	0.7272211	0.7277023	0.7281837	0.7286652	0.7291469	0.7296288	0.7301108
303	0.7305929	0.7310752	0.7315577	0.7320403	0.7325231	0.7330061	0.7334892	0.7339725	0.7344559	0.7349395
304	0.7354233	0.7359072	0.7363913	0.7368755	0.7373599	0.7378444	0.7383291	0.7388140	0.7392990	0.7397842
305	0.7402695	0.7407550	0.7412407	0.7417265	0.7422125	0.7426986	0.7431849	0.7436714	0.7441580	0.7446448
306	0.7451317	0.7456188	0.7461061	0.7465935	0.7470810	0.7475688	0.7480567	0.7485447	0.7490329	0.7495213
307	0.7500098	0.7504985	0.7509873	0.7514764	0.7519655	0.7524548	0.7529443	0.7534340	0.7539238	0.7544137
308	0.7549038	0.7553941	0.7558845	0.7563751	0.7568659	0.7573568	0.7578479	0.7583391	0.7588305	0.7593221
309	0.7598138	0.7603056	0.7607977	0.7612898	0.7617822	0.7622747	0.7627674	0.7632602	0.7637532	0.7642463
310	0.7647396	0.7652331	0.7657267	0.7662205	0.7667144	0.7672085	0.7677028	0.7681972	0.7686917	0.7691865
311	0.7696814	0.7701764	0.7706716	0.7711670	0.7716625	0.7721582	0.7726541	0.7731501	0.7736462	0.7741426

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
312	0.7746391	0.7751357	0.7756325	0.7761295	0.7766266	0.7771239	0.7776213	0.7781189	0.7786167	0.7791146
313	0.7796126	0.7801109	0.7806093	0.7811078	0.7816065	0.7821054	0.7826044	0.7831036	0.7836030	0.7841025
314	0.7846022	0.7851020	0.7856020	0.7861021	0.7866024	0.7871029	0.7876035	0.7881043	0.7886052	0.7891063
315	0.7896076	0.7901090	0.7906106	0.7911123	0.7916142	0.7921163	0.7926185	0.7931208	0.7936234	0.7941261
316	0.7946289	0.7951319	0.7956351	0.7961384	0.7966419	0.7971456	0.7976494	0.7981533	0.7986574	0.7991617
317	0.7996662	0.8001708	0.8006755	0.8011805	0.8016855	0.8021908	0.8026962	0.8032017	0.8037074	0.8042133
318	0.8047193	0.8052255	0.8057319	0.8062384	0.8067451	0.8072519	0.8077589	0.8082660	0.8087733	0.8092808
319	0.8097884	0.8102962	0.8108042	0.8113123	0.8118205	0.8123289	0.8128375	0.8133463	0.8138552	0.8143642
320	0.8148734	0.8153828	0.8158923	0.8164020	0.8169119	0.8174219	0.8179321	0.8184424	0.8189529	0.8194635
321	0.8199743	0.8204853	0.8209964	0.8215077	0.8220192	0.8225308	0.8230425	0.8235545	0.8240665	0.8245788
322	0.8250912	0.8256037	0.8261165	0.8266293	0.8271424	0.8276556	0.8281689	0.8286824	0.8291961	0.8297099
323	0.8302239	0.8307381	0.8312524	0.8317669	0.8322815	0.8327963	0.8333112	0.8338263	0.8343416	0.8348570
324	0.8353726	0.8358883	0.8364042	0.8369203	0.8374365	0.8379529	0.8384694	0.8389861	0.8395030	0.8400200
325	0.8405372	0.8410545	0.8415720	0.8420896	0.8426075	0.8431254	0.8436436	0.8441618	0.8446803	0.8451989
326	0.8457177	0.8462366	0.8467557	0.8472749	0.8477943	0.8483139	0.8488336	0.8493535	0.8498735	0.8503937
327	0.8509141	0.8514346	0.8519553	0.8524761	0.8529971	0.8535182	0.8540396	0.8545610	0.8550827	0.8556044
328	0.8561264	0.8566485	0.8571708	0.8576932	0.8582158	0.8587385	0.8592614	0.8597845	0.8603077	0.8608311
329	0.8613546	0.8618783	0.8624022	0.8629262	0.8634504	0.8639747	0.8644992	0.8650239	0.8655487	0.8660737
330	0.8665988	0.8671241	0.8676495	0.8681751	0.8687009	0.8692268	0.8697529	0.8702792	0.8708056	0.8713321
331	0.8718589	0.8723858	0.8729128	0.8734400	0.8739674	0.8744949	0.8750226	0.8755504	0.8760784	0.8766065
332	0.8771349	0.8776633	0.8781920	0.8787208	0.8792497	0.8797788	0.8803081	0.8808375	0.8813671	0.8818969
333	0.8824268	0.8829568	0.8834870	0.8840174	0.8845480	0.8850787	0.8856095	0.8861406	0.8866717	0.8872031
334	0.8877346	0.8882662	0.8887980	0.8893300	0.8898622	0.8903945	0.8909269	0.8914595	0.8919923	0.8925252
335	0.8930583	0.8935916	0.8941250	0.8946585	0.8951923	0.8957261	0.8962602	0.8967944	0.8973288	0.8978633
336	0.8983980	0.8989328	0.8994678	0.9000030	0.9005383	0.9010738	0.9016094	0.9021452	0.9026811	0.9032173
337	0.9037535	0.9042900	0.9048265	0.9053633	0.9059002	0.9064373	0.9069745	0.9075119	0.9080494	0.9085871
338	0.9091250	0.9096630	0.9102012	0.9107396	0.9112781	0.9118167	0.9123555	0.9128945	0.9134336	0.9139729
339	0.9145124	0.9150520	0.9155913	0.9161317	0.9166718	0.9172121	0.9177525	0.9182930	0.9188338	0.9193747
340	0.9199157	0.9204569	0.9209983	0.9215398	0.9220815	0.9226233	0.9231653	0.9237075	0.9242498	0.9247923
341	0.9253349	0.9258777	0.9264207	0.9269638	0.9275071	0.9280505	0.9285941	0.9291379	0.9296818	0.9302259
342	0.9307701	0.9313145	0.9318590	0.9324037	0.9329486	0.9334936	0.9340388	0.9345842	0.9351297	0.9356753
343	0.9362211	0.9367671	0.9373133	0.9378596	0.9384060	0.9389526	0.9394994	0.9400464	0.9405934	0.9411407
344	0.9416881	0.9422357	0.9427834	0.9433313	0.9438794	0.9444276	0.9449759	0.9455245	0.9460732	0.9466220
345	0.9471710	0.9477202	0.9482695	0.9488190	0.9493686	0.9499184	0.9504684	0.9510185	0.9515688	0.9521192
346	0.9526698	0.9532206	0.9537715	0.9543226	0.9548738	0.9554252	0.9559767	0.9565284	0.9570803	0.9576323
347	0.9581845	0.9587369	0.9592894	0.9598420	0.9603949	0.9609479	0.9615010	0.9620543	0.9626078	0.9631614
348	0.9637152	0.9642691	0.9648232	0.9653775	0.9659319	0.9664864	0.9670412	0.9675961	0.9681511	0.9687063
349	0.9692617	0.9698172	0.9703729	0.9709288	0.9714848	0.9720410	0.9725973	0.9731528	0.9737104	0.9742672
350	0.9748242	0.9753813	0.9759386	0.9764960	0.9770536	0.9776114	0.9781693	0.9787274	0.9792856	0.9798440

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
351	0.9804026	0.9809613	0.9815201	0.9820792	0.9826384	0.9831977	0.9837572	0.9843169	0.9848767	0.9854367
352	0.9859969	0.9865572	0.9871176	0.9876783	0.9882390	0.9888000	0.9893611	0.9899223	0.9904838	0.9910453
353	0.9916071	0.9921690	0.9927310	0.9932932	0.9938556	0.9944181	0.9949808	0.9955437	0.9961067	0.9966699
354	0.9972332	0.9977967	0.9983603	0.9989241	0.9994881	1.0000522	1.0006165	1.0011810	1.0017456	1.0023103
355	1.0028752	1.0034403	1.0040056	1.0045710	1.0051365	1.0057022	1.0062681	1.0068341	1.0074003	1.0079667
356	1.0085332	1.0090999	1.0096667	1.0102337	1.0108008	1.0113682	1.0119356	1.0125032	1.0130710	1.0136390
357	1.0142071	1.0147753	1.0153438	1.0159123	1.0164811	1.0170500	1.0176190	1.0181883	1.0187576	1.0193272
358	1.0198969	1.0204667	1.0210367	1.0216069	1.0221772	1.0227477	1.0233184	1.0238892	1.0244602	1.0250313
359	1.0256026	1.0261740	1.0267456	1.0273174	1.0278893	1.0284614	1.0290336	1.0296060	1.0301786	1.0307513
360	1.0313242	1.0318972	1.0324704	1.0330438	1.0336173	1.0341910	1.0347648	1.0353388	1.0359130	1.0364873
361	1.0370617	1.0376364	1.0382111	1.0387861	1.0393612	1.0399365	1.0405119	1.0410875	1.0416632	1.0422391
362	1.0428152	1.0433914	1.0439678	1.0445443	1.0451210	1.0456979	1.0462749	1.0468521	1.0474294	1.0480069
363	1.0485846	1.0491624	1.0497403	1.0503185	1.0508968	1.0514752	1.0520538	1.0526326	1.0532115	1.0537906
364	1.0543698	1.0549492	1.0555288	1.0561085	1.0566884	1.0572684	1.0578486	1.0584290	1.0590095	1.0595902
365	1.0601710	1.0607520	1.0613332	1.0619145	1.0624960	1.0630776	1.0636594	1.0642413	1.0648235	1.0654057
366	1.0659882	1.0665707	1.0671535	1.0677364	1.0683195	1.0689027	1.0694861	1.0700696	1.0706533	1.0712372
367	1.0718212	1.0724054	1.0729897	1.0735742	1.0741588	1.0747437	1.0753286	1.0759138	1.0764991	1.0770845
368	1.0776701	1.0782559	1.0788418	1.0794279	1.0800142	1.0806006	1.0811871	1.0817739	1.0823607	1.0829478
369	1.0835350	1.0841224	1.0847099	1.0852975	1.0858854	1.0864734	1.0870615	1.0876499	1.0882383	1.0888270
370	1.0894158	1.0900047	1.0905938	1.0911831	1.0917725	1.0923621	1.0929519	1.0935418	1.0941318	1.0947221
371	1.0953125	1.0959030	1.0964937	1.0970846	1.0976756	1.0982668	1.0988581	1.0994496	1.1000413	1.1006331
372	1.1012251	1.1018172	1.1024095	1.1030019	1.1035946	1.1041873	1.1047803	1.1053734	1.1059666	1.1065600
373	1.1071536	1.1077473	1.1083412	1.1089452	1.1095295	1.1101238	1.1107183	1.1113130	1.1119079	1.1125029
374	1.1130980	1.1136933	1.1142888	1.1148845	1.1154803	1.1160762	1.1166723	1.1172686	1.1178650	1.1184616
375	1.1190584	1.1196553	1.1202524	1.1208496	1.1214470	1.1220445	1.1226422	1.1232401	1.1238381	1.1244363
376	1.1250346	1.1256332	1.1262318	1.1268306	1.1274296	1.1280288	1.1286280	1.1292275	1.1298271	1.1304269
377	1.1310268	1.1316269	1.1322272	1.1328276	1.1334282	1.1340289	1.1346298	1.1352308	1.1358320	1.1364334
378	1.1370349	1.1376366	1.1382385	1.1388405	1.1394426	1.1400450	1.1406474	1.1412501	1.1418529	1.1424558
379	1.1430589	1.1436622	1.1442657	1.1448693	1.1454730	1.1460769	1.1466810	1.1472852	1.1478896	1.1484942
380	1.1490989	1.1497037	1.1503088	1.1509140	1.1515193	1.1521248	1.1527305	1.1533363	1.1539423	1.1545484
381	1.1551547	1.1557612	1.1563678	1.1569746	1.1575815	1.1581886	1.1587959	1.1594033	1.1600109	1.1606186
382	1.1612265	1.1618345	1.1624428	1.1630511	1.1636597	1.1642683	1.1648772	1.1654862	1.1660954	1.1667047
383	1.1673142	1.1679238	1.1685336	1.1691436	1.1697537	1.1703640	1.1709744	1.1715850	1.1721958	1.1728067
384	1.1734178	1.1740290	1.1746404	1.1752519	1.1758637	1.1764755	1.1770876	1.1776997	1.1783121	1.1789246
385	1.1795373	1.1801501	1.1807631	1.1813762	1.1819895	1.1826030	1.1832166	1.1838304	1.1844443	1.1850584
386	1.1856727	1.1862871	1.1869017	1.1875164	1.1881313	1.1887464	1.1893616	1.1899770	1.1905925	1.1912082
387	1.1918240	1.1924400	1.1930562	1.1936725	1.1942890	1.1949057	1.1955225	1.1961394	1.1967566	1.1973738
388	1.1979913	1.1986089	1.1992266	1.1998446	1.2004626	1.2010809	1.2016993	1.2023178	1.2029366	1.2035554
389	1.2041745	1.2047937	1.2054130	1.2060325	1.2066522	1.2072720	1.2078920	1.2085121	1.2091325	1.2097529

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
390	1.2103735	1.2109943	1.2116153	1.2122364	1.2128576	1.2134791	1.2141006	1.2147224	1.2153443	1.2159663
391	1.2165885	1.2172109	1.2178335	1.2184562	1.2190790	1.2197020	1.2203252	1.2209485	1.2215720	1.2221957
392	1.2228195	1.2234434	1.2240676	1.2246918	1.2253163	1.2259409	1.2265657	1.2271906	1.2278157	1.2284409
393	1.2290663	1.2296919	1.2303176	1.2309435	1.2315695	1.2321957	1.2328220	1.2334486	1.2340752	1.2347021
394	1.2353290	1.2359562	1.2365835	1.2372110	1.2378386	1.2384664	1.2390943	1.2397224	1.2403507	1.2409791
395	1.2416077	1.2422365	1.2428654	1.2434944	1.2441236	1.2447530	1.2453825	1.2460122	1.2466421	1.2472721
396	1.2479023	1.2485326	1.2491631	1.2497938	1.2504246	1.2510555	1.2516867	1.2523180	1.2529494	1.2535810
397	1.2542128	1.2548447	1.2554768	1.2561090	1.2567414	1.2573740	1.2580067	1.2586396	1.2592726	1.2599058
398	1.2605392	1.2611727	1.2618064	1.2624402	1.2630742	1.2637084	1.2643427	1.2649772	1.2656118	1.2662466
399	1.2668815	1.2675166	1.2681519	1.2687873	1.2694229	1.2700587	1.2706946	1.2713306	1.2719668	1.2726032
400	1.2732398	1.2738765	1.2745133	1.2751503	1.2757875	1.2764249	1.2770623	1.2777000	1.2783378	1.2789758
401	1.2796139	1.2802522	1.2808907	1.2815293	1.2821680	1.2828070	1.2834461	1.2840853	1.2847247	1.2853643
402	1.2860040	1.2866439	1.2872839	1.2879241	1.2885645	1.2892050	1.2898457	1.2904865	1.2911275	1.2917687
403	1.2924100	1.2930515	1.2936931	1.2943349	1.2949768	1.2956189	1.2962612	1.2969036	1.2975462	1.2981890
404	1.2988319	1.2994749	1.3001182	1.3007616	1.3014051	1.3020488	1.3026927	1.3033367	1.3039809	1.3046252
405	1.3052697	1.3059144	1.3065592	1.3072041	1.3078493	1.3084946	1.3091400	1.3097856	1.3104314	1.3110773
406	1.3117234	1.3123697	1.3130161	1.3136627	1.3143094	1.3149563	1.3156033	1.3162505	1.3168979	1.3175454
407	1.3181931	1.3188409	1.3194839	1.3201371	1.3207854	1.3214339	1.3220825	1.3227313	1.3233803	1.3240294
408	1.3246786	1.3253281	1.3259777	1.3266274	1.3272773	1.3279274	1.3285776	1.3292280	1.3298786	1.3305293
409	1.3311801	1.3318312	1.3324823	1.3331337	1.3337852	1.3344368	1.3350887	1.3357406	1.3363928	1.3370451
410	1.3376975	1.3383501	1.3390029	1.3396559	1.3403098	1.3409622	1.3416156	1.3422692	1.3429229	1.3435768
411	1.3442308	1.3448850	1.3455394	1.3461939	1.3468486	1.3475035	1.3481585	1.3488136	1.3494689	1.3501244
412	1.3507801	1.3514359	1.3520918	1.3527479	1.3534042	1.3540606	1.3547172	1.3553740	1.3560309	1.3566880
413	1.3573452	1.3580026	1.3586601	1.3593179	1.3599757	1.3606337	1.3612919	1.3619503	1.3626088	1.3632674
414	1.3639263	1.3645852	1.3652444	1.3659037	1.3665631	1.3672228	1.3678825	1.3685425	1.3692026	1.3698628
415	1.3705232	1.3711838	1.3718445	1.3725054	1.3731665	1.3738277	1.3744891	1.3751506	1.3758123	1.3764741
416	1.3771361	1.3777983	1.3784606	1.3791231	1.3797857	1.3804485	1.3811115	1.3817746	1.3824379	1.3831013
417	1.3837649	1.3844287	1.3850926	1.3857567	1.3864209	1.3870853	1.3877499	1.3884146	1.3890794	1.3897445
418	1.3904097	1.3910750	1.3917405	1.3924062	1.3930720	1.3937380	1.3944041	1.3950704	1.3957369	1.3964035
419	1.3970703	1.3977372	1.3984043	1.3990716	1.3997390	1.4004066	1.4010743	1.4017422	1.4024103	1.4030785
420	1.4037468	1.4044154	1.4050841	1.4057529	1.4064219	1.4070911	1.4077604	1.4084299	1.4090995	1.4097693
421	1.4104393	1.4111094	1.4117797	1.4124502	1.4131208	1.4137915	1.4144624	1.4151335	1.4158047	1.4164761
422	1.4171477	1.4178194	1.4184913	1.4191633	1.4198355	1.4205079	1.4211804	1.4218530	1.4225259	1.4231988
423	1.4238720	1.4245453	1.4252188	1.4258924	1.4265662	1.4272401	1.4279142	1.4285885	1.4292629	1.4299375
424	1.4306122	1.4312871	1.4319622	1.4326374	1.4333127	1.4339883	1.4346640	1.4353398	1.4360158	1.4366920
425	1.4373683	1.4380448	1.4387215	1.4393983	1.4400752	1.4407524	1.4414296	1.4421071	1.4427847	1.4434625
426	1.4441404	1.4448185	1.4454967	1.4461751	1.4468536	1.4475324	1.4482112	1.4488903	1.4495695	1.4502488
427	1.4509283	1.4516080	1.4522878	1.4529678	1.4536480	1.4543283	1.4550088	1.4556894	1.4563702	1.4570511
428	1.4577322	1.4584135	1.4590949	1.4597765	1.4604582	1.4611401	1.4618222	1.4625044	1.4631868	1.4638693

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
429	1.4645520	1.4652349	1.4659179	1.4666010	1.4672844	1.4679679	1.4686515	1.4693353	1.4700193	1.4707034
430	1.4713877	1.4720722	1.4727568	1.4734415	1.4741264	1.4748115	1.4754968	1.4761822	1.4768677	1.4775535
431	1.4782393	1.4789254	1.4796116	1.4802979	1.4809844	1.4816711	1.4823579	1.4830449	1.4837321	1.4844194
432	1.4851069	1.4857945	1.4864823	1.4871702	1.4878583	1.4885466	1.4892350	1.4899236	1.4906124	1.4913013
433	1.4919903	1.4926795	1.4933689	1.4940585	1.4947482	1.4954380	1.4961280	1.4968182	1.4975085	1.4901990
434	1.4988897	1.4995805	1.5002715	1.5009626	1.5016539	1.5023453	1.5030369	1.5037287	1.5044206	1.5051127
435	1.5058050	1.5064974	1.5071899	1.5078827	1.5085755	1.5092686	1.5099618	1.5106551	1.5113487	1.5120423
436	1.5127362	1.5134302	1.5141243	1.5148186	1.5155131	1.5162077	1.5169025	1.5175975	1.5182926	1.5189879
437	1.5196833	1.5203789	1.5210746	1.5217705	1.5224666	1.5231628	1.5238592	1.5245557	1.5252524	1.5259493
438	1.5266463	1.5273435	1.5280408	1.5287383	1.5294360	1.5301338	1.5308318	1.5315299	1.5322282	1.5329266
439	1.5336253	1.5343240	1.5350230	1.5357220	1.5364213	1.5371207	1.5378203	1.5385200	1.5392199	1.5399199
440	1.5406201	1.5413205	1.5420210	1.5427217	1.5434225	1.5441235	1.5448247	1.5455260	1.5462275	1.5469291
441	1.5476309	1.5483329	1.5490350	1.5497372	1.5504397	1.5511423	1.5518450	1.5525479	1.5532510	1.5539542
442	1.5546576	1.5553611	1.5560648	1.5567687	1.5574727	1.5581769	1.5588812	1.5595857	1.5602904	1.5609952
443	1.5617002	1.5624053	1.5631106	1.5638161	1.5645217	1.5652275	1.5659334	1.5666395	1.5673457	1.5680522
444	1.5687587	1.5694654	1.5701723	1.5708794	1.5715866	1.5722940	1.5730015	1.5737092	1.5744170	1.5751250
445	1.5758332	1.5765415	1.5772500	1.5779586	1.5786674	1.5793763	1.5800855	1.5807947	1.5815042	1.5822138
446	1.5829235	1.5836334	1.5843435	1.5850437	1.5857641	1.5864747	1.5871854	1.5878962	1.5886073	1.5893184
447	1.5900298	1.5907413	1.5914529	1.5921648	1.5928767	1.5935889	1.5943012	1.5950136	1.5957263	1.5964390
448	1.5971520	1.5978651	1.5985783	1.5992917	1.6000053	1.6007190	1.6014329	1.6021470	1.6028612	1.6035755
449	1.6042901	1.6050048	1.6057196	1.6064346	1.6071498	1.6078651	1.6085806	1.6092962	1.6100120	1.6107280
450	1.6114441	1.6121604	1.6128768	1.6135934	1.6143101	1.6150271	1.6157441	1.6164614	1.6171788	1.6178963
451	1.6186140	1.6193319	1.6200499	1.6207681	1.6214864	1.6222050	1.6229236	1.6236424	1.6243614	1.6250806
452	1.6257999	1.6265193	1.6272389	1.6279587	1.6286787	1.6293988	1.6301190	1.6308394	1.6315600	1.6322807
453	1.6330016	1.6337227	1.6344439	1.6351653	1.6358868	1.6366085	1.6373303	1.6380523	1.6387745	1.6394968
454	1.6402193	1.6409419	1.6416648	1.6423877	1.6431108	1.6438341	1.6445576	1.6452811	1.6460049	1.6467288
455	1.6474529	1.6481771	1.6489015	1.6496261	1.6503508	1.6510757	1.6518007	1.6525259	1.6532512	1.6539767
456	1.6547024	1.6554282	1.6561542	1.6568804	1.6576067	1.6583331	1.6590598	1.6597865	1.6605135	1.6612406
457	1.6619678	1.6626953	1.6634228	1.6641506	1.6648785	1.6656065	1.6663347	1.6670631	1.6677916	1.6685203
458	1.6692492	1.6699782	1.6707074	1.6714367	1.6721662	1.6728958	1.6736256	1.6743556	1.6750857	1.6758160
459	1.6765464	1.6772770	1.6780078	1.6787387	1.6794698	1.6802010	1.6809324	1.6816640	1.6823957	1.6831276
460	1.6838596	1.6845918	1.6853241	1.6860567	1.6867893	1.6875222	1.6882551	1.6889883	1.6897216	1.6904551
461	1.6911887	1.6919225	1.6926564	1.6933905	1.6941248	1.6948592	1.6955938	1.6963285	1.6970634	1.6977985
462	1.6985337	1.6992691	1.7000046	1.7007403	1.7014761	1.7022122	1.7029483	1.7036847	1.7044212	1.7051578
463	1.7058946	1.7066316	1.7073687	1.7081060	1.7088434	1.7095810	1.7103188	1.7110567	1.7117948	1.7125330
464	1.7132714	1.7140100	1.7147487	1.7154876	1.7162266	1.7169658	1.7177052	1.7184447	1.7191844	1.7199242
465	1.7206642	1.7214043	1.7221446	1.7228851	1.7236257	1.7243665	1.7251075	1.7258486	1.7265898	1.7273313
466	1.7280729	1.7288146	1.7295565	1.7302986	1.7310408	1.7317832	1.7325257	1.7332684	1.7340112	1.7347543
467	1.7354974	1.7362408	1.7369843	1.7377279	1.7384717	1.7392157	1.7399598	1.7407041	1.7414486	1.7421932

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
468	1.7429379	1.7436829	1.7444279	1.7451732	1.7459186	1.7466641	1.7474099	1.7481557	1.7489018	1.7496480
469	1.7503943	1.7511409	1.7518875	1.7526344	1.7533814	1.7541285	1.7548758	1.7556233	1.7563709	1.7571187
470	1.7578667	1.7586148	1.7593630	1.7601115	1.7608601	1.7616088	1.7623577	1.7631068	1.7638560	1.7646054
471	1.7653549	1.7661046	1.7668545	1.7676045	1.7683547	1.7691050	1.7698555	1.7706061	1.7713570	1.7721079
472	1.7728591	1.7736104	1.7743618	1.7751134	1.7758652	1.7766171	1.7773692	1.7781214	1.7788738	1.7796264
473	1.7803791	1.7811320	1.7818851	1.7826383	1.7833916	1.7841451	1.7848988	1.7856527	1.7864067	1.7871608
474	1.7879151	1.7886696	1.7894242	1.7901790	1.7909340	1.7916891	1.7924444	1.7931998	1.7939554	1.7947111
475	1.7954670	1.7962231	1.7969793	1.7977357	1.7984922	1.7992489	1.8000058	1.8007628	1.8015200	1.8022773
476	1.8030348	1.8037925	1.8045503	1.8053083	1.8060664	1.8068247	1.8075832	1.8083418	1.8091006	1.8098595
477	1.8106186	1.8113778	1.8121372	1.8128968	1.8136565	1.8144164	1.8151765	1.8159367	1.8166970	1.8174575
478	1.8182182	1.8189791	1.8197401	1.8205012	1.8212625	1.8220240	1.8227857	1.8235475	1.8243094	1.8250715
479	1.8258338	1.8265962	1.8273588	1.8281216	1.8288845	1.8296475	1.8304108	1.8311742	1.8319377	1.8327014
480	1.8334653	1.8342293	1.8349935	1.8357578	1.8365223	1.8372870	1.8380518	1.8388168	1.8395819	1.8403472
481	1.8411127	1.8418783	1.8426441	1.8434100	1.8441761	1.8449423	1.8457088	1.8464753	1.8472421	1.8480089
482	1.8487760	1.8495432	1.8503106	1.8510781	1.8518458	1.8526136	1.8533816	1.8541498	1.8549181	1.8556866
483	1.8564552	1.8572240	1.8579930	1.8587621	1.8595314	1.8603008	1.8610704	1.8618401	1.8626101	1.8633801
484	1.8641504	1.8649207	1.8656913	1.8664620	1.8672329	1.8680039	1.8687751	1.8695464	1.8703179	1.8710896
485	1.8718614	1.8726334	1.8734055	1.8741778	1.8749503	1.8757229	1.8764957	1.8772686	1.8780417	1.8788150
486	1.8795884	1.8803620	1.8811357	1.8819096	1.8826836	1.8834578	1.8842322	1.8850067	1.8857814	1.8865563
487	1.8873313	1.8881064	1.8888818	1.8896572	1.8904329	1.8912087	1.8919847	1.8927608	1.8935371	1.8943135
488	1.8950901	1.8958668	1.8966438	1.8974208	1.8981981	1.8989755	1.8997530	1.9005307	1.9013086	1.9020866
489	1.9028648	1.9036432	1.9044217	1.9052003	1.9059791	1.9067581	1.9075373	1.9083166	1.9090960	1.9098757
490	1.9106554	1.9114354	1.9122155	1.9129957	1.9137762	1.9145567	1.9153375	1.9161184	1.9168994	1.9176806
491	1.9184620	1.9192435	1.9200252	1.9208071	1.9215891	1.9223712	1.9231536	1.9239360	1.9247187	1.9255015
492	1.9262845	1.9270676	1.9278509	1.9286343	1.9294179	1.9302017	1.9309856	1.9317697	1.9325539	1.9333383
493	1.9341228	1.9349076	1.9356924	1.9364775	1.9372627	1.9380480	1.9388335	1.9396192	1.9404050	1.9411910
494	1.9419771	1.9427634	1.9435499	1.9443365	1.9451233	1.9459103	1.9466974	1.9474846	1.9482720	1.9490596
495	1.9498474	1.9506353	1.9514233	1.9522115	1.9529999	1.9537884	1.9545771	1.9553660	1.9561550	1.9569442
496	1.9577335	1.9585230	1.9593126	1.9601024	1.9608924	1.9616825	1.9624728	1.9632632	1.9640538	1.9648446
497	1.9656355	1.9664266	1.9672178	1.9680092	1.9688008	1.9695925	1.9703844	1.9711764	1.9719686	1.9727610
498	1.9735535	1.9743462	1.9751390	1.9759320	1.9767251	1.9775184	1.9783119	1.9791055	1.9798993	1.9806933
499	1.9814874	1.9822816	1.9830760	1.9838706	1.9846654	1.9854603	1.9862553	1.9870505	1.9878459	1.9886415
500	1.9894372	1.9902330	1.9910290	1.9918252	1.9926215	1.9934180	1.9942147	1.9950115	1.9958084	1.9966056
501	1.9974029	1.9982003	1.9989979	1.9997957	2.0005936	2.0013917	2.0021899	2.0029883	2.0037869	2.0045856
502	2.0053845	2.0061835	2.0069827	2.0077821	2.0085816	2.0093813	2.0101811	2.0109811	2.0117812	2.0125815
503	2.0133820	2.0141826	2.0149834	2.0157844	2.0165855	2.0173868	2.0181882	2.0189898	2.0197915	2.0205934
504	2.0213955	2.0221977	2.0230001	2.0238026	2.0246053	2.0254082	2.0262112	2.0270144	2.0278177	2.0286212
505	2.0294248	2.0302287	2.0310326	2.0318368	2.0326410	2.0334455	2.0342501	2.0350549	2.0358598	2.0366649
506	2.0374701	2.0282755	2.0390811	2.0398868	2.0406927	2.0414987	2.0423049	2.0431113	2.0439178	2.0447245

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
507	2.0455313	2.0463383	2.0471455	2.0479528	2.0487603	2.0499679	2.0503757	2.0511836	2.0519917	2.0528000
508	2.0536084	2.0544170	2.0552258	2.0560347	2.0568437	2.0576530	2.0584624	2.0592719	2.0600816	2.0608915
509	2.0617015	2.0625117	2.0633220	2.0641325	2.0649431	2.0657540	2.0665649	2.0673761	2.0681874	2.0689988
510	2.0698104	2.0706222	2.0714341	2.0722462	2.0730585	2.0738709	2.0746834	2.0754961	2.0763090	2.0771221
511	2.0779335	2.0787486	2.0795622	2.0803758	2.0811897	2.0820037	2.0828178	2.0836322	2.0844466	2.0852613
512	2.0860761	2.0868910	2.0877061	2.0885214	2.0893368	2.0901524	2.0909682	2.0917841	2.0926001	2.0934164
513	2.0942328	2.0950493	2.0958660	2.0966829	2.0974999	2.0983171	2.0991344	2.0999519	2.1007696	2.1015874
514	2.1024054	2.1032235	2.1040418	2.1048602	2.1056789	2.1064976	2.1073166	2.1081357	2.1089549	2.1097743
515	2.1105939	2.1114136	2.1122335	2.1130535	2.1138737	2.1146941	2.1155146	2.1163353	2.1171562	2.1179772
516	2.1187983	2.1196196	2.1204411	2.1212628	2.1220845	2.1229065	2.1237286	2.1245509	2.1253733	2.1261959
517	2.1270187	2.1278416	2.1286647	2.1294879	2.1303113	2.1311348	2.1319585	2.1327824	2.1336064	2.1344306
518	2.1352549	2.1360794	2.1369041	2.1377289	2.1385539	2.1393790	2.1402043	2.1410298	2.1418554	2.1426812
519	2.1435071	2.1443332	2.1451595	2.1459859	2.1468125	2.1476392	2.1484661	2.1492931	2.1501203	2.1509477
520	2.1517752	2.1526029	2.1534308	2.1542588	2.1550869	2.1559153	2.1567437	2.1575724	2.1584012	2.1592301
521	2.1600592	2.1608885	2.1617180	2.1625476	2.1633773	2.1642072	2.1650373	2.1658675	2.1666979	2.1675285
522	2.1683592	2.1691900	2.1700211	2.1708523	2.1716836	2.1725151	2.1733468	2.1741786	2.1750106	2.1758427
523	2.1766750	2.1775075	2.1783401	2.1791729	2.1800058	2.1808389	2.1816722	2.1825056	2.1833392	2.1841729
524	2.1850068	2.1858408	2.1866750	2.1875094	2.1883439	2.1891786	2.1900135	2.1908485	2.1916837	2.1925190
525	2.1933545	2.1941901	2.1950259	2.1958619	2.1966980	2.1975343	2.1983707	2.1992073	2.2000441	2.2008810
526	2.2017181	2.2025553	2.2033927	2.2042302	2.2050680	2.2059058	2.2067439	2.2075820	2.2084204	2.2092589
527	2.2100976	2.2109364	2.2117754	2.2126145	2.2134538	2.2142933	2.2151329	2.2159727	2.2168126	2.2176527
528	2.2184930	2.2193334	2.2201740	2.2210147	2.2218556	2.2226967	2.2235379	2.2243793	2.2252208	2.2260625
529	2.2269043	2.2277463	2.2285885	2.2294308	2.2302733	2.2311160	2.2319588	2.2328017	2.2336449	2.2344882
530	2.2353316	2.2361752	2.2370190	2.2378629	2.2387070	2.2395512	2.2403956	2.2412401	2.2420849	2.2429297
531	2.2437748	2.2446200	2.2454653	2.2463108	2.2471565	2.2480023	2.2488483	2.2496945	2.2505408	2.2513872
532	2.2522339	2.2530806	2.2539276	2.2547747	2.2556219	2.2564694	2.2573169	2.2581647	2.2590126	2.2598606
533	2.2607089	2.2615572	2.2624058	2.2632545	2.2641033	2.2649523	2.2658015	2.2666508	2.2675003	2.2683500
534	2.2691998	2.2700497	2.2708999	2.2717502	2.2726006	2.2734512	2.2743020	2.2751529	2.2760040	2.2768552
535	2.2777066	2.2785582	2.2794099	2.2802618	2.2811138	2.2819660	2.2828183	2.2836709	2.2845235	2.2853764
536	2.2862294	2.2870825	2.2879358	2.2887893	2.2896429	2.2904967	2.2913506	2.2922047	2.2930590	2.2939134
537	2.2947680	2.2956228	2.2964777	2.2973327	2.2981879	2.2990433	2.2998989	2.3007546	2.3016104	2.3024664
538	2.3033226	2.3041789	2.3050354	2.3058921	2.3067489	2.3076059	2.3084630	2.3093203	2.3101777	2.3110353
539	2.3118931	2.3127510	2.3136091	2.3144673	2.3153257	2.3161843	2.3170430	2.3179019	2.3187609	2.3196201
540	2.3204795	2.3213390	2.3221987	2.3230585	2.3239185	2.3247787	2.3256390	2.3264995	2.3273601	2.3282209
541	2.3290818	2.3299429	2.3308042	2.3316656	2.3325272	2.3333890	2.3342509	2.3351129	2.3359752	2.3368375
542	2.3377001	2.3385628	2.3394256	2.3402886	2.3411518	2.3420152	2.3428787	2.3437423	2.3446061	2.3454701
543	2.3463342	2.3471985	2.3480630	2.3489276	2.3497923	2.3506573	2.3515224	2.3523876	2.3532530	2.3541186
544	2.3549843	2.3558502	2.3567162	2.3575824	2.3584488	2.3593153	2.3601820	2.3610488	2.3619158	2.3627830
545	2.3636503	2.3645178	2.3653854	2.3662532	2.3671211	2.3679893	2.3688575	2.3697260	2.3705945	2.3714633

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
546	2.3723322	2.3732013	2.3740705	2.3749399	2.3758094	2.3766791	2.3775490	2.3784190	2.3792892	2.3801595
547	2.3810300	2.3819007	2.3827217	2.3836425	2.3845136	2.3853849	2.3862563	2.3871280	2.3879997	2.3888717
548	2.3897438	2.3906160	2.3914884	2.3923610	2.3932337	2.3941066	2.3949796	2.3958528	2.3967262	2.3975997
549	2.3984734	2.3993472	2.4002212	2.4010954	2.4019697	2.4028442	2.4037188	2.4045936	2.4054686	2.4063437
550	2.4072190	2.4080944	2.4089700	2.4098457	2.4107216	2.4115977	2.4124739	2.4133503	2.4142269	2.4151036
551	2.4159804	2.4168575	2.4177347	2.4186120	2.4194895	2.4203672	2.4212450	2.4221230	2.4230011	2.4238794
552	2.4247578	2.4256365	2.4265152	2.4273942	2.4282733	2.4291525	2.4300319	2.4309115	2.4317912	2.4326711
553	2.4335512	2.4344314	2.4353117	2.4361923	2.4370729	2.4379538	2.4388348	2.4397159	2.4405973	2.4414787
554	2.4423604	2.4432422	2.4441241	2.4450063	2.4458885	2.4467710	2.4476536	2.4485363	2.4494192	2.4503023
555	2.4511855	2.4520689	2.4529525	2.4538362	2.4547200	2.4556041	2.4564883	2.4573726	2.4582571	2.4591418
556	2.4600266	2.4609116	2.4617967	2.4626820	2.4635675	2.4644531	2.4653389	2.4662248	2.4671109	2.4679971
557	2.4688836	2.4697701	2.4706569	2.4715438	2.4724308	2.4733180	2.4742054	2.4750929	2.4759806	2.4768684
558	2.4777565	2.4786446	2.4795329	2.4804214	2.4813101	2.4821989	2.4830878	2.4839769	2.4848662	2.4857557
559	2.4866453	2.4875350	2.4884249	2.4893150	2.4902052	2.4910956	2.4919862	2.4928769	2.4937678	2.4946588
560	2.4955500	2.4964413	2.4973328	2.4982245	2.4991163	2.5000083	2.5009005	2.5017928	2.5026852	2.5035778
561	2.5044706	2.5053636	2.5062567	2.5071499	2.5080433	2.5089369	2.5098306	2.5107245	2.5116186	2.5125128
562	2.5134072	2.5143017	2.5151964	2.5160912	2.5169862	2.5178814	2.5187767	2.5196722	2.5205679	2.5214637
563	2.5223596	2.5232558	2.5241520	2.5250485	2.5259451	2.5268418	2.5277388	2.5286358	2.5295331	2.5304305
564	2.5313280	2.5322257	2.5331236	2.5340216	2.5349198	2.5358182	2.5367167	2.5376154	2.5385142	2.5394132
565	2.5403123	2.5412116	2.5421111	2.5430107	2.5439105	2.5448104	2.5457105	2.5466108	2.5475112	2.5484118
566	2.5493125	2.5502134	2.5511145	2.5520157	2.5529171	2.5538186	2.5547203	2.5556221	2.5565242	2.5574263
567	2.5583287	2.5592311	2.5601338	2.5610366	2.5619396	2.5628427	2.5637460	2.5646494	2.5655530	2.5664568
568	2.5673607	2.5682648	2.5691690	2.5700734	2.5709780	2.5718827	2.5727876	2.5736926	2.5745978	2.5755032
569	2.5764087	2.5773143	2.5782202	2.5791262	2.5800323	2.5809386	2.5818451	2.5827517	2.5836585	2.5845654
570	2.5854725	2.5863798	2.5872872	2.5881948	2.5891025	2.5900104	2.5909185	2.5918267	2.5927351	2.5936436
571	2.5945523	2.5954612	2.5963702	2.5972794	2.5981887	2.5990982	2.6000079	2.6009177	2.6018276	2.6027377
572	2.6036480	2.6045585	2.6054691	2.6063799	2.6072908	2.6082019	2.6091131	2.6100245	2.6109361	2.6118478
573	2.6127597	2.6136717	2.6145839	2.6154963	2.6164088	2.6173214	2.6182343	2.6191473	2.6200604	2.6209737
574	2.6218872	2.6228008	2.6237146	2.6246286	2.6255427	2.6264569	2.6273714	2.6282859	2.6292007	2.6301156
575	2.6310307	2.6319459	2.6328613	2.6337768	2.6346925	2.6356084	2.6365244	2.6374405	2.6383569	2.6392734
576	2.6401900	2.6411068	2.6420238	2.6429409	2.6438582	2.6447757	2.6456933	2.6466110	2.6475290	2.6484471
577	2.6493653	2.6502837	2.6512023	2.6521210	2.6530399	2.6539589	2.6548781	2.6557975	2.6567170	2.6576367
578	2.6585565	2.6594765	2.6603967	2.6613170	2.6622374	2.6631571	2.6640789	2.6649998	2.6659209	2.6668422
579	2.6677636	2.6686852	2.6696070	2.6705289	2.6714509	2.6723731	2.6732955	2.6742181	2.6751408	2.6760636
580	2.6769867	2.6779098	2.6788332	2.6797567	2.6806803	2.6816041	2.6825281	2.6834522	2.6843765	2.6853010
581	2.6862256	2.6871504	2.6880753	2.6890004	2.6899256	2.6908510	2.6917766	2.6927023	2.6936282	2.6945543
582	2.6954805	2.6964068	2.6973333	2.6982600	2.6991869	2.7001139	2.7010410	2.7019683	2.7028958	2.7038234
583	2.7047512	2.7056792	2.7066073	2.7075356	2.7084640	2.7093926	2.7103213	2.7112503	2.7121793	2.7131085
584	2.7140379	2.7149675	2.7158972	2.7168270	2.7177571	2.7186872	2.7196176	2.7205481	2.7214787	2.7224096

CIRC-CM	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
585	2.7233405	2.7242717	2.7252030	2.7261344	2.7270660	2.7279978	2.7289297	2.7298618	2.7307941	2.7317265
586	2.7326591	2.7335918	2.7345247	2.7354577	2.7363909	2.7373243	2.7382578	2.7391915	2.7401253	2.7410593
587	2.7419935	2.7429278	2.7438623	2.7447969	2.7457317	2.7466667	2.7476018	2.7485371	2.7494725	2.7504081
588	2.7513439	2.7522798	2.7532158	2.7541521	2.7550885	2.7560250	2.7569617	2.7578986	2.7588356	2.7597728
589	2.7607101	2.7616476	2.7625853	2.7635231	2.7644611	2.7653992	2.7663375	2.7672760	2.7682146	2.7691534
590	2.7700923	2.7710314	2.7719707	2.7729101	2.7738496	2.7747894	2.7757293	2.7766693	2.7776095	2.7785499
591	2.7794904	2.7804311	2.7813719	2.7823129	2.7832541	2.7841954	2.7851369	2.7860786	2.7870204	2.7879623
592	2.7889044	2.7898467	2.7907891	2.7917317	2.7926745	2.7936174	2.7945605	2.7955037	2.7964471	2.7973907
593	2.7983344	2.7992782	2.8002223	2.8011664	2.8021108	2.8030553	2.8040000	2.8049448	2.8058898	2.8068349
594	2.8077802	2.8087257	2.8096713	2.8106171	2.8115630	2.8125091	2.8134554	2.8144018	2.8153483	2.8162951
595	2.8172420	2.8181890	2.8191362	2.8200836	2.8210311	2.8219788	2.8229267	2.8238747	2.8248228	2.8257712
596	2.8267197	2.8276683	2.8286171	2.8295661	2.8305152	2.8314645	2.8324139	2.8333635	2.8343133	2.8352632
597	2.8362133	2.8371635	2.8381139	2.8390644	2.8400151	2.8409660	2.8419170	2.8428682	2.8438196	2.8447711
598	2.8457228	2.8466746	2.8476266	2.8485787	2.8495310	2.8504835	2.8514361	2.8523889	2.8533418	2.8542949
599	2.8552482	2.8562016	2.8571552	2.8581089	2.8590628	2.8600169	2.8608711	2.8619255	2.8628800	2.8638347
600	2.8647895	2.8657445	2.8666997	2.8676550	2.8686105	2.8695662	2.8705220	2.8714779	2.8724341	2.8733903