琉球大学学術リポジトリ

アレー因子の10桁の数表と万能指向性特性図(摘要)

メタデータ	言語:
	出版者: 琉球大学理工学部
	公開日: 2012-03-16
	キーワード (Ja):
	キーワード (En):
	作成者: Imai, Tadao, Carress, Fred S., 伊波, 直朗, カレス, フレッド
	メールアドレス:
	所属:
URL	http://hdl.handle.net/20.500.12000/23807

ARRAY FACTORS N = 95

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.000	1.000000000+000	0.050	4.758049497-002	0.100	-3.406387344-002	0.150	1.639512156-002	0.200	-1.584460602-010
0.001	9.852220675-001	0.051	3.087427536-002	0.101	-3.224638710-002	0.151	2.036570078-002	0.201	-5.243157448-003
0.002	9.416730171-001	0.052	1.212782385-002	0.102	-2.763963132-002	0.152	2.249851815-002	0.202	-9.979926017-003
0.003	8.716575152-001	0.053	-6.969500620-003	0.103	-2.069871771-002	0.153	2.262862591-002	0.203	-1.379791729-002
0.004	7.788548337-001	0.054	-2.476111362-002	0.104	-1.207375723-002	0.154	2.076868219-002	0.204	-1.636902385-002
0.005	6.680877747-001	0.055	-3.976229289-002	0.105	-2.549678096-003	0.155	1.710571312-002	0.205	-1.747753695-002
0.006	5.450216662-001	0.056	-5.077995107-002	0.106	7.024560438-003	0.156	1.198265291-002	0.206	-1.703815669-002
0.007	4.158139633-001	0.057	-5.700373038-002	0.107	1.581103186-002	0.157	5.866455826-003	0.207	-1.510239942-002
0.008	2.867382267-001	0.058	-5.806173864-002	0.108	2.305559920-002	0.158	-6.942740193-004	0.208	-1.185293609-002
0.009	1.638077744-001	0.059	-5.403746227-002	0.109	2.815209638-002	0.159	-7.118307617-003	0.209	-7.586458126-003
0.010	5.242402992-002	0.060	-4.544726556-002	0.110	3.069251703-002	0.160	-1.284310577-002	0.210	-2.686669249-003
0.011	-4.292744820-002	0.061	-3.318283531-002	0.111	3.049909964-002	0.161	-1.737390886-002	0.211	2.410145861-003
0.012	-1.189139178-001	0.062	-1.842248577-002	0.112	2.763583583-002	0.162	-2.032633272-002	0.212	7.253892689-003
0.013	-1.735110137-001	0.063	-2.521769963-003	0.113	2.239875388-002	0.163	-2.145881662-002	0.213	1.142033966-002
0.014	-2.060684591-001	0.064	1.310794919-002	0.114	1.528617969-002	0.164	-2.069219891-002	0.214	1.454820197-002
0.015	-2.172838898-001	0.065	2.712194013-002	0.115	6.951893639-003	0.165	-1.811485008-002	0.215	1.637040075-002
0.016	-2.090892043-001	0.066	3.835529166-002	0.116	-1.854463851-003	0.166	-1.397307402-002	0.216	1.673679957-002
0.017	-1.844598646-001	0.067	4.591704508-002	0.117	-1.035434981-002	0.167	-8.647779185-003	0.217	1.562648782-002
0.018	-1.471627184-001	0.068	4.925925668-002	0.118	-1.780869990-002	0.168	-2.619611184-003	0.218	1.314861444-002
0.019	-1.014618217-001	0.069	4.821347072-002	0.119	-2.358176562-002	0.169	3.574275723-003	0.219	9.531787175-003
0.020	-5.180416535-002	0.070	4.299475880-002	0.120	-2.719492950-002	0.170	9.387934671-003	0.220	5.103056210-003
0.021	-2.507981403-003	0.071	3.417245769-002	0.121	-2.836597655-002	0.171	1.431460323-002	0.221	2.584080333-004
0.022	4.252457861-002	0.072	2.261146880-002	0.122	-2.703063434-002	0.172	1.793073886-002	0.222	-4.572575105-003
0.023	8.005105446-002	0.073	9.389837246-003	0.123	-2.334478351-002	0.173	1.993229717-002	0.223	-8.964741207-003
0.024	1.076730343-001	0.074	-4.299736437-003	0.124	-1.766744452-002	0.174	2.016015771-002	0.224	-1.253472063-002
0.025	1.239505455-001	0.075	-1.795569924-002	0.125	-1.052631546-002	0.175	1.861258248-002	0.225	-1.497432741-002
0.026	1.284412437-001	0.076	-2.837105562-002	0.126	-2.569125548-003	0.176	1.544374981-002	0.226	-1.607710559-002
0.027	1.216648687-001	0.077	-3.672703547-002	0.127	5.494746568-003	0.177	1.094863414-002	0.227	-1.575573861-002
0.028	1.049989209-001	0.078	-4.166688637-002	0.128	1.295716055-002	0.178	5.535695381-003	0.228	-1.404885923-002
0.029	8.051639300-002	0.079	-4.284631945-002	0.129	1.917306361-002	0.179	-3.101072123-004	0.229	-1.111673866-002
0.030	5.078028911-002	0.080	-4.025544160-002	0.130	2.361592830-002	0.180	-6.070638230-003	0.230	-7.226314303-003
0.031	1.861233922-002	0.081	-3.421145399-002	0.131	2.592204145-002	0.181	-1.124038834-002	0.231	-2.726947542-003
0.032	-1.314542306-002	0.082	-2.532336941-002	0.132	2.591994492-002	0.182	-1.537071635-002	0.232	1.980891365-003
0.033	-4.185774433-002	0.083	-1.443243289-002	0.133	2.364267425-002	0.183	-1.810867034-002	0.233	6.481210395-003
0.034	-6.529502078-002	0.084	-2.533925071-003	0.134	1.932197176-002	0.184	-1.922703736-002	0.234	1.037919666-002
0.035	-8.178991182-002	0.085	9.312507014-003	0.135	1.336523167-002	0.185	-1.864307361-002	0.235	1.333579900-002
0.036	-9.034147456-002	0.086	2.007602382-002	0.136	6.317428535-003	0.186	-1.642438163-002	0.236	1.509716704-002
0.037	-9.066107074-002	0.087	2.884318035-002	0.137	-1.188443606-003	0.187	-1.278154237-002	0.237	1.551639570-002
0.038	-8.315906177-002	0.088	3.489440468-002	0.138	-8.487940069-003	0.188	-8.048273277-003	0.238	1.456571645-002
0.039	-6.887598206-002	0.089	3.776204953-002	0.139	-1.494371254-002	0.189	-2.650970083-003	0.239	1.233812936-002
0.040	-4.936610190-002	0.090	3.726541508-002	0.140	-2.000089868-002	0.190	2.929598673-003	0.240	9.038403894-003
0.041	-2.654474236-002	0.091	3.352021778-002	0.141	-2.323456286-002	0.191	8.201011817-003	0.241	4.964311410-003
0.042	-2.513139341-003	0.092	2.692222935-002	0.142	-2.438515301-002	0.192	1.270254456-002	0.242	4.798041063-004
0.043	2.062409058-002	0.093	1.810703754-002	0.143	-2.337903597-002	0.193	1.604533814-002	0.243	-4.017447680-003
0.044	4.093381346-002	0.094	7.809894359-003	0.144	-2.033251358-002	0.194	1.794589714-002	0.244	-8.131269529-003
0.045	5.680768869-002	0.095	-2.808748283-003	0.145	-1.553918258-002	0.195	1.825003619-002	0.245	-1.150183371-002
0.046	6.708230339-002	0.096	-1.304529592-002	0.146	-9.441956406-003	0.196	1.694526213-002	0.246	-1.383708604-002
0.047	7.111762022-002	0.097	-2.193542105-002	0.147	-2.592387794-003	0.197	1.416060845-002	0.247	-1.493800731-002
0.048	6.882892494-002	0.098	-2.872969652-002	0.148	4.398994045-003	0.198	1.015404791-002	0.248	-1.471552873-002
0.049	6.067141823-002	0.099	-3.287604690-002	0.149	1.091688020-002	0.199	5.288697332-003	0.249	-1.319766724-002
0.250	-1.052631589-002								

ARRAY FACTORS N = 95

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.251	-6.944036877-003	0.301	1.240779448-002	0.351	-1.042413746-002	0.401	3.251143087-003	0.451	4.984518429-003
0.252	-2.772081661-003	0.302	1.071265412-002	0.352	-1.156789730-002	0.402	6.208600017-003	0.452	1.995074484-003
0.253	1.618374404-003	0.303	8.080214127-003	0.353	-1.168701230-002	0.403	8.611833229-003	0.453	-1.167806147-003
0.254	5.839210738-003	0.304	4.746795632-003	0.354	-1.077418344-002	0.404	1.024974814-002	0.454	-4.224541190-003
0.255	9.519627923-003	0.305	1.009455256-003	0.355	-8.913170961-003	0.405	1.097922516-002	0.455	-6.905184545-003
0.256	1.233867965-002	0.306	-2.800461513-003	0.356	-6.271124212-003	0.406	1.073761733-002	0.456	-8.973254999-003
0.257	1.405322044-002	0.307	-6.346671027-003	0.357	-3.083582419-003	0.407	9.548123090-003	0.457	-1.024658865-002
0.258	1.451883840-002	0.308	-9.317407784-003	0.358	3.665083414-004	0.408	7.517574111-003	0.458	-1.061337704-002
0.259	1.370197453-002	0.309	-1.145377393-002	0.359	3.773894645-003	0.409	4.826847948-003	0.459	-1.004198005-002
0.260	1.168221530-002	0.310	-1.257638268-002	0.360	6.838006462-003	0.410	1.714764994-003	0.460	-8.583652366-003
0.261	8.644615245-003	0.311	-1.257332230-002	0.361	9.289433679-003	0.411	-1.543096992-003	0.461	-6.367948989-003
0.262	4.862784117-003	0.312	-1.146706293-002	0.362	1.091369488-002	0.412	-4.658793041-003	0.462	-3.591221398-003
0.263	6.742802781-004	0.313	-9.353844339-003	0.363	1.156979967-002	0.413	-7.357448041-003	0.463	-4.992250646-004
0.264	-3.589480109-003	0.314	-6.424253136-003	0.364	1.12 266489-002	0.414	-9.401494332-003	0.464	2.634621203-003
0.265	-7.438118883-003	0.315	-2.940055431-003	0.365	9.847627059-003	0.415	-1.061157459-002	0.465	5.533402346-003
0.266	-1.064508725-002	0.316	7.891705698-004	0.366	7.627086221-003	0.416	-1.088227085-002	0.466	7.941165145-003
0.267	-1.289746783-002	0.317	4.433517796-003	0.367	4.739461650-003	0.417	-1.019128175-002	0.467	9.645507728-003
0.268	-1.400018311-002	0.318	7.671912090-003	0.368	1.441474765-003	0.418	-8.601249197-003	0.468	1.049630848-002
0.269	-1.386251176-002	0.319	1.022037628-002	0.369	-1.974659448-003	0.419	-6.254085998-003	0.469	1.041894282-002
0.270	-1.250350316-002	0.320	1.185491105-002	0.370	-5.207108051-003	0.420	-3.358317540-003	0.470	9.420825451-003
0.271	-1.004968851-002	0.321	1.244081416-002	0.371	-7.971072631-003	0.421	-1.705656666-004	0.471	7.590704246-003
0.272	-6.723343970-003	0.322	1.192475851-002	0.372	-1.002386623-002	0.422	3.027181396-003	0.472	5.090773122-003
0.273	-2.822390600-003	0.323	1.035859405-002	0.373	-1.118620874-002	0.423	5.952501450-003	0.473	2.142304148-003
0.274	1.306254451-003	0.324	7.884571048-003	0.374	-1.135787279-002	0.424	8.347469425-003	0.474	-9.939289172-004
0.275	5.297494577-003	0.325	4.724439607-003	0.375	-1.052631571-002	0.425	1.000138712-002	0.475	-4.040703992-003
0.276	8.800304223-003	0.326	1.159593000-003	0.376	-8.767555303-003	0.426	1.076931018-002	0.476	-6.728844510-003
0.277	1.150856736-002	0.327	-2.493967989-003	0.377	-6.239232472-003	0.427	1.058474345-002	0.477	-8.820990209-003
0.278	1.318779746-002	0.328	-5.913624971-003	0.378	-3.166492650-003	0.428	9.465393651-003	0.478	-1.013254633-002
0.279	1.368540383-002	0.329	-8.798408471-003	0.379	1.780505020-004	0.429	7.511482018-003	0.479	-1.054796382-002
0.280	1.299279589-002	0.330	-1.089443080-002	0.380	3.498486769-003	0.430	4.896776887-003	0.480	-1.003091453-002
0.281	1.114817999-002	0.331	-1.202494481-002	0.381	6.501775137-003	0.431	1.853147955-003	0.481	-8.627466481-003
0.282	8.330055380-003	0.332	-1.208823892-002	0.382	8.923590968-003	0.432	-1.349985717-003	0.482	-6.461981284-003
0.283	4.798825724-003	0.333	-1.108458006-002	0.383	1.055157576-002	0.433	-4.429492687-003	0.483	-3.726099288-003
0.284	8.490495691-004	0.334	-9.186415585-003	0.384	1.124394638-002	0.434	-7.113543826-003	0.484	-6.617873476-004
0.285	-3.148672019-003	0.335	-6.331781628-003	0.385	1.094183343-002	0.435	-9.165595381-003	0.485	2.460051929-003
0.286	-6.848662333-003	0.336	-3.008316857-003	0.386	9.674276125-003	0.436	-1.040522516-002	0.486	5.363518776-003
0.287	-9.926250918-003	0.337	5.688213775-004	0.387	7.555450805-003	0.437	-1.072398795-002	0.487	7.792088965-003
0.288	-1.211323326-002	0.338	4.083150652-003	0.388	4.774395762-003	0.438	-1.009489707-002	0.488	9.531268119-003
0.289	-1.322121670-002	0.339	7.224843464-003	0.389	1.578156691-003	0.439	-8.574703572-003	0.489	1.042752764-002
0.290	-1.315782252-002	0.340	9.718029770-003	0.390	-1.750146246-003	0.440	-6.298781185-003	0.490	1.040185184-002
0.291	-1.193435307-002	0.341	1.134496885-002	0.391	-4.916582685-003	0.441	-3.469077720-003	0.491	9.456700982-003
0.292	-9.664290862-003	0.342	1.196511604-002	0.392	-7.641390886-003	0.442	-3.362044558-004	0.492	7.675777081-003
0.293	-6.552806365-003	0.343	1.152718265-002	0.393	-9.685577412-003	0.443	2.822748762-003	0.493	5.216614488-003
0.294	-2.878241310-003	0.344	1.007338865-002	0.394	-1.086897089-002	0.444	5.728709301-003	0.494	2.296651189-003
0.295	1.032763256-003	0.345	7.735416606-003	0.395	-1.109188144-002	0.445	8.125264599-003	0.495	-8.259885862-004
0.296	4.834274743-003	0.346	4.722499237-003	0.396	-1.033379607-002	0.446	9.801276686-003	0.496	-3.875302661-003
0.297	8.191638386-003	0.347	1.302710469-003	0.397	-8.664780145-003	0.447	1.060947460-002	0.497	-6.581795150-003
0.298	1.081091009-002	0.348	-2.220869121-003	0.398	-6.234061468-003	0.448	1.047938878-002	0.498	-8.706284010-003
0.299	1.246456583-002	0.349	-5.536694737-003	0.399	-3.257786231-003	0.449	9.423491583-003	0.499	-1.006102920-002
0.300	1.301124187-002	0.350	-8.353731456-003	0.400	5.260250249-010	0.450	7.536009327-003	0.500	-1.052631579-002
0.501	-1.006102830-002								

ARRAY FACTORS N = 96

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.000	1.000000000+000	0.050	3.913947635+002	0.100	-3.205920345-002	0.150	2.182168742-002	0.200	-1.041666680-002
0.001	9.849107037-001	0.051	2.095545821+002	0.101	-2.725462812-002	0.151	2.280238778-002	0.201	-1.414419346-002
0.002	9.404609516-001	0.052	1.609544961+003	0.102	-2.010437534-002	0.152	2.172549921-002	0.202	-1.656861788-002
0.003	8.690523842-001	0.053	-1.715527839+002	0.103	-1.129058841-002	0.153	1.871246527-002	0.203	-1.748328498-002
0.004	7.745155387-001	0.054	-3.371137625+002	0.104	-1.630748285-003	0.154	1.405661903-002	0.204	-1.681882406-002
0.005	6.618642475-001	0.055	-4.668307806+002	0.105	7.997469673-003	0.155	8.194883977-003	0.205	-1.464821161-002
0.006	5.369762185-001	0.056	-5.505686485+002	0.106	1.673529964-002	0.156	1.266979869-003	0.206	-1.117902798-002
0.007	4.062220453-001	0.057	-5.825660305+002	0.107	2.381887602-002	0.157	-4.934076500-003	0.207	-6.733708902-003
0.008	2.760683353-001	0.058	-5.617854578+002	0.108	2.864543926-002	0.158	-1.101565390-002	0.208	-1.719661720-003
0.009	1.526821988-001	0.059	-4.948441214+002	0.109	3.082406880-002	0.159	-1.603852963-002	0.209	3.407992206-003
0.010	4.156392743-002	0.060	-3.805448286+002	0.110	3.020671213-002	0.160	-1.956452521-002	0.210	8.187648441-003
0.011	-5.276767080-002	0.061	-2.390608591+002	0.111	2.687119981-002	0.161	-2.129456177-002	0.211	1.219269619-002
0.012	-1.270169015-001	0.062	-8.085012608+003	0.112	2.123725733-002	0.162	-2.109384482-002	0.212	1.506952064-002
0.013	-1.792649201-001	0.063	7.958319440+003	0.113	1.377279405-002	0.163	-1.900207385-002	0.213	1.656865267-002
0.014	-2.090272216-001	0.064	2.279950766+002	0.114	5.201079207-003	0.164	-1.522793278-002	0.214	1.656632779-002
0.015	-2.172135388-001	0.065	3.516344061+002	0.115	-3.693486651-003	0.165	-1.012852848-002	0.215	1.507459813-002
0.016	-2.059957860-001	0.066	4.403137686+002	0.116	-1.211074227-002	0.166	-4.175781358-003	0.216	1.223918116-002
0.017	-1.785961114-001	0.067	4.872248739+002	0.117	-1.930628642-002	0.167	2.087085119-003	0.217	8.325334080-003
0.018	-1.390125430-001	0.068	4.894360272+002	0.118	-2.465685004-002	0.168	8.094959134-003	0.218	3.693114032-003
0.019	-9.170372024-002	0.069	4.480374513+002	0.119	-2.771389671-002	0.169	1.331167902-002	0.219	-1.235675582-003
0.020	-4.125654106-002	0.070	3.679316198+002	0.120	-2.824074533-002	0.170	1.727773496-002	0.220	-6.015824377-003
0.021	7.938924170-003	0.071	2.572965444+002	0.121	-2.623031820-002	0.171	1.965060351-002	0.221	-1.021886187-002
0.022	5.198420390-002	0.072	1.267775311+002	0.122	-2.190213043-002	0.172	2.023418623-002	0.222	-1.347139724-002
0.023	8.771680864-002	0.073	-1.151499668+003	0.123	-1.567924113-002	0.173	1.899483535-002	0.223	-1.548822770-002
0.024	1.128885502-001	0.074	-1.451092024+002	0.124	-8.147323126-003	0.174	1.606267296-002	0.224	-1.609728498-002
0.025	1.262675617-001	0.075	-2.622782023+002	0.125	3.652079168-010	0.175	1.171823865-002	0.225	-1.525424357-002
0.026	1.276598374-001	0.076	-3.530524946+002	0.126	8.024667353-003	0.176	6.365810962-003	0.226	-1.304555677-002
0.027	1.178522917-001	0.077	-4.100524292+002	0.127	1.521066802-002	0.177	4.959247263-004	0.227	-9.679733619-003
0.028	9.848517665-002	0.078	-4.290724792+002	0.128	2.092758222-002	0.178	-5.359452509-003	0.228	-5.467725165-003
0.029	7.186675116-002	0.079	-4.093723532+002	0.129	2.468555255-002	0.179	-1.067500166-002	0.229	-7.942585872-004
0.030	4.074699264-002	0.080	-3.536566228+002	0.130	2.617692805-002	0.180	-1.497905629-002	0.230	3.917243537-003
0.031	8.069627527-003	0.081	-2.677521473+002	0.131	2.530106660-002	0.181	-1.789533569-002	0.231	8.242965775-003
0.032	-2.327734006-002	0.082	-1.600187393+002	0.132	2.217033151-002	0.182	-1.917572399-002	0.232	1.179676457-002
0.033	-5.069310925-002	0.083	-4.055099199+003	0.133	1.709701719-002	0.183	-1.872125057-002	0.233	1.426458201-002
0.034	-7.206026763-002	0.084	7.975388323+003	0.134	1.056263776-002	0.184	-1.658950918-002	0.234	1.543214611-002
0.035	-8.589183915-002	0.085	1.981773389+002	0.135	3.172560863-003	0.185	-1.298798278-002	0.235	1.520351949-002
0.036	-9.141978568-002	0.086	2.811226336+002	0.136	-4.399769492-003	0.186	8.254007410-003	0.236	1.360889552-002
0.037	-8.862057155-002	0.087	3.449378358+002	0.137	-1.147390944-002	0.187	-2.823295764-003	0.237	1.080101680-002
0.038	-7.817859098-002	0.088	3.765490275+002	0.138	-1.742327851-002	0.188	2.810053063-003	0.238	7.040615457-003
0.039	-6.139319966-002	0.089	3.738521848+002	0.139	-2.173038988-002	0.189	8.138398124-003	0.239	2.672256898-003
0.040	-4.003939972-002	0.090	3.378344894+002	0.140	-2.403160298-002	0.190	1.268619460-002	0.240	-1.907179866-003
0.041	-1.619557433-002	0.091	2.724201826+002	0.141	-2.414755031-002	0.191	1.605233235-002	0.241	-6.284507181-003
0.042	7.946183450-003	0.092	1.840603664+002	0.142	-2.209671698-002	0.192	1.794541430-002	0.242	-1.006745690-002
0.043	3.027078910-002	0.093	8.110824337+003	0.143	-1.809118417-002	0.193	1.820888086-002	0.243	-1.291978256-002
0.044	4.891611907-002	0.094	-2.696071308+003	0.144	-1.251514885-002	0.194	1.683382261-002	0.244	-1.459109873-002
0.045	6.242019631-002	0.095	-1.304117313+002	0.145	-5.888358288-003	0.195	1.395844560-002	0.245	-1.493881390-002
0.046	6.982851256-002	0.096	-2.201190716+002	0.146	1.182086485-003	0.196	9.854357117-003	0.246	-1.394023955-002
0.047	7.075409415-002	0.097	-2.883429964+002	0.147	8.057111335-003	0.197	4.961017692-003	0.247	-1.169385231-002
0.048	6.538711648-002	0.098	-3.294864652+002	0.148	1.412320357-002	0.198	-4.492469578-004	0.248	-8.409666096-003
0.049	5.445518434-002	0.099	-3.403563199+002	0.149	1.884694085-002	0.199	-5.712457107-003	0.249	-4.389648023-003
0.250	-1.526691710-018								

ARRAY FACTORS N = 96

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.251	4.362153073-003	0.301	4.122986237-003	0.351	-9.528533702-003	0.401	1.094075279-002	0.451	-8.449573598-003
0.252	8.304645369-003	0.302	3.221041236-004	0.352	-7.084710023-003	0.402	1.047724897-002	0.452	-9.935569803-003
0.253	1.147547986-002	0.303	-3.490701884-003	0.353	-4.010106570-003	0.403	9.069922010-003	0.453	-1.052377656-002
0.254	1.359421309-002	0.304	-6.972110569-003	0.354	-5.837099891-004	0.404	6.847517080-003	0.454	-1.016198580-002
0.255	1.447671779-002	0.305	-9.810159728-003	0.355	2.884677199-003	0.405	4.011988151-003	0.455	-8.883708902-003
0.256	1.405114134-002	0.306	-1.175217512-002	0.356	6.082429535-003	0.406	8.201565865-004	0.456	-6.805076178-003
0.257	1.236368066-002	0.307	-1.262724318-002	0.357	8.722259743-003	0.407	-2.439537911-003	0.457	-4.114291612-003
0.258	9.573716631-003	0.308	-1.236123062-002	0.358	1.056801169-002	0.408	-5.473089456-003	0.458	-1.054600425-003
0.259	5.938809180-003	0.309	-1.098303310-002	0.359	1.145577207-002	0.409	-8.007430511-003	0.459	2.097690532-003
0.260	1.790961372-003	0.310	-8.621529142-003	0.360	1.130841394-002	0.410	-9.814999496-003	0.460	5.058153458-003
0.261	-2.493664112-003	0.311	-5.493553346-003	0.361	1.014228330-002	0.411	-1.073416330-002	0.461	7.559892144-003
0.262	-6.528817147-003	0.312	-1.884009093-003	0.362	8.065450239-003	0.412	-1.068366201-002	0.462	9.377592708-003
0.263	-9.952938860-003	0.313	1.880057600-003	0.363	5.267706646-003	0.413	-9.669786224-003	0.463	1.034780723-002
0.264	-1.246151875-002	0.314	5.459065632-003	0.364	2.003235704-003	0.414	-7.785653447-003	0.464	1.038364424-002
0.265	-1.383413826-002	0.315	8.531509885-003	0.365	-1.432466471-003	0.415	-5.202662664-003	0.465	9.482546816-003
0.266	-1.395380201-002	0.316	1.082281846-002	0.366	-4.729321999-003	0.416	-2.154911161-003	0.466	7.726462242-003
0.267	-1.281686456-002	0.317	1.212984836-002	0.367	-7.590639699-003	0.417	1.082011143-003	0.467	5.274393188-003
0.268	-1.053271478-002	0.318	1.233897217-002	0.368	-9.759798477-003	0.418	4.215929023-003	0.468	2.348007649-003
0.269	-7.313303859-003	0.319	1.143574520-002	0.369	-1.104324842-002	0.419	6.964442020-003	0.469	-7.883913114-004
0.270	-3.453515012-003	0.320	9.505998334-003	0.370	-1.132776829-002	0.420	9.080359100-003	0.470	-3.851725980-003
0.271	6.958104478-004	0.321	6.727412606-003	0.371	-1.059044253-002	0.421	1.037391931-002	0.471	-6.565682494-003
0.272	4.759726489-003	0.322	3.354162647-003	0.372	-8.900479173-003	0.422	1.072980099-002	0.472	-8.685623317-003
0.273	8.373026842-003	0.323	-3.082056416-004	0.373	-6.412727240-003	0.423	1.011739640-002	0.473	-1.002062964-002
0.274	1.121302847-002	0.324	-3.928535799-003	0.374	-3.353499914-003	0.424	8.593436561-003	0.474	-1.045068754-002
0.275	1.302835472-002	0.325	-7.180945792-003	0.375	2.444667762-010	0.425	6.296741913-003	0.475	-9.937472224-003
0.276	1.366115354-002	0.326	-9.773939469-003	0.376	3.344783901-003	0.426	3.435584226-003	0.476	-8.527761344-003
0.277	1.306078987-002	0.327	-1.147651134-002	0.377	6.379434573-003	0.427	2.688091472-004	0.477	-6.349173603-003
0.278	1.128782737-002	0.328	-1.213870759-002	0.378	8.831255000-003	0.428	-2.917569690-003	0.478	-3.598620916-003
0.279	8.507993483-003	0.329	-1.170481576-002	0.379	1.048075794-002	0.429	-5.836190554-003	0.479	-5.245180557-004
0.280	4.976722977-003	0.330	-1.021802402-002	0.380	1.118130209-002	0.430	-8.224246602-003	0.480	2.595642843-003
0.281	1.015718185-003	0.331	-7.816163084-003	0.381	1.087211851-002	0.431	-9.867139289-003	0.481	5.480330319-003
0.282	-3.016325760-003	0.332	-4.718947510-003	0.382	9.583570471-003	0.432	-1.061775329-002	0.482	7.869364880-003
0.283	-6.756169925-003	0.333	-1.207805021-003	0.383	7.434193041-003	0.433	-1.040962337-002	0.483	9.547375594-003
0.284	-9.868722139-003	0.334	2.399241574-003	0.384	4.619799120-003	0.434	-9.262814816-003	0.484	1.036320715-002
0.285	-1.207703032-002	0.335	5.777210684-003	0.385	1.395651844-003	0.435	-7.281997839-003	0.485	1.024353020-002
0.286	-1.318689630-002	0.336	8.622568310-003	0.386	-1.946673859-003	0.436	-4.646900026-003	0.486	9.199429407-003
0.287	-1.310392543-002	0.337	1.048091702-002	0.387	-5.105645391-003	0.437	-1.596006861-003	0.487	7.325377895-003
0.288	-1.184151757-002	0.338	1.176963294-002	0.388	-7.796960451-003	0.438	1.595011594-003	0.488	4.790692887-003
0.289	-9.519126345-003	0.339	1.179405318-002	0.389	-9.779119932-003	0.439	4.638198162-003	0.489	1.824244621-003
0.290	-6.350991381-003	0.340	1.075568871-002	0.390	-1.087508563-002	0.440	7.259281504-003	0.490	-1.306200460-003
0.291	-2.626403192-003	0.341	8.751754252-003	0.391	-1.098808254-002	0.441	9.222384061-003	0.491	-4.318139552-003
0.292	1.316683764-003	0.342	5.966084194-003	0.392	-1.011013546-002	0.442	1.035123912-002	0.492	-6.939816365-003
0.293	5.122286081-003	0.343	2.652284680-003	0.393	-8.322588006-003	0.443	1.054501034-002	0.493	-8.934730472-003
0.294	8.448499661-003	0.344	-8.893368532-004	0.394	-5.788575237-003	0.444	9.787293942-003	0.494	-1.012296255-002
0.295	1.099818825-002	0.345	-4.338967868-003	0.395	-2.738145358-003	0.445	8.147500771-003	0.495	-1.039739436-002
0.296	1.254550007-002	0.346	-7.386150397-003	0.396	5.526129919-004	0.446	5.774502293-003	0.496	-9.733361125-003
0.297	1.295584887-002	0.347	-9.757702915-003	0.397	3.786545377-003	0.447	2.883121555-003	0.497	-8.190867343-003
0.298	1.219759344-002	0.348	-1.124219365-002	0.398	6.672250917-003	0.448	-2.653050935-004	0.498	-5.909166952-003
0.299	1.034440485-002	0.349	-1.170877548-002	0.399	8.950325253-003	0.449	-3.386538293-003	0.499	-3.094196941-003
0.300	7.568151632-003	0.350	-1.111870504-002	0.400	1.041666682-002	0.450	-6.199084875-003	0.500	1.530073253-009
0.501	3.094199900-003								

ARRAY FACTORS N = 97

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.000	1.000000000+000	0.050	2.991869107+002	0.100	-2.699004102-002	0.150	2.242856182-002	0.200	+1.668076281-002
0.001	9.845961392-001	0.051	1.070989226+002	0.101	-1.967279752-002	0.151	2.020488258-002	0.201	+1.746298875-002
0.002	9.392371322-001	0.052	+8.734279494+003	0.102	-1.069880587-002	0.152	1.615794491-002	0.202	+1.663641284-002
0.003	8.664245688-001	0.053	-2.666142166-002	0.103	-9.166027124-004	0.153	1.068008445-002	0.203	-1.429054115-002
0.004	7.701446697-001	0.054	+4.151919460+002	0.104	8.767700803-003	0.154	4.289692539-003	0.204	+1.065334268-002
0.005	6.556074189-001	0.055	+5.208521449+002	0.105	1.747367939-002	0.155	-2.417631368-003	0.205	+6.069200093-003
0.006	5.289078380-001	0.056	+5.756343860+002	0.106	2.442600203-002	0.156	+8.824389445-003	0.206	+9.663902592-004
0.007	3.966334788-001	0.057	+5.763976062+002	0.107	2.902288171-002	0.157	+1.434783949-002	0.207	4.182842826-003
0.008	2.654458685-001	0.058	+5.249330878+002	0.108	3.088757507-002	0.158	+1.849281282-002	0.208	8.905908317-003
0.009	1.416652230-001	0.059	+4.276390239+002	0.109	2.989857639-002	0.159	+2.089592582-002	0.209	1.277316062-002
0.010	3.088714887-002	0.060	+2.947992757+002	0.110	2.619614920-002	0.160	+2.135725346-002	0.210	1.543690492-002
0.011	+6.234264172-002	0.061	+1.395421496+002	0.111	2.016501634-002	0.161	+1.985672037-002	0.211	1.666258208-002
0.012	+1.347741762-001	0.062	2.341931328+003	0.112	1.239518596-002	0.162	+1.655388898-002	0.212	1.634934256-002
0.013	-1.846043057-001	0.063	1.791470734+002	0.113	3.624832076-003	0.163	+1.177135160-002	0.213	1.453821227-002
0.014	-2.115248606-001	0.064	3.138212040+002	0.114	-5.329294880-003	0.164	+5.963425269-003	0.214	1.140720203-002
0.015	-2.166673419-001	0.065	4.159300587+002	0.115	+1.364741756-002	0.165	3.268311857-004	0.215	7.253912186-003
0.016	-2.024511509-001	0.066	4.772371899+002	0.116	-2.058129895-002	0.166	6.518227652-003	0.216	2.467323073-003
0.017	+1.723492193-001	0.067	4.934158251+002	0.117	-2.552108772-002	0.167	1.204497947-002	0.217	-2.508561805-003
0.018	+1.305905849-001	0.068	4.643223704+002	0.118	-2.804851071-002	0.168	1.640825377-002	0.218	+7.215828610-003
0.019	+8.182354744-002	0.069	3.938888173+002	0.119	-2.797181140-002	0.169	1.922104320-002	0.219	+1.122472186-002
0.020	-3.076525141-002	0.070	2.896558627+002	0.120	-2.533955918-002	0.170	2.024234380-002	0.220	+1.417281163-002
0.021	1.813624413-002	0.071	1.619925156+002	0.121	-2.043241230-002	0.171	1.939763176-002	0.221	-1.579768907-002
0.022	6.100312044-002	0.072	2.309630867+003	0.122	-1.373392801-002	0.172	1.678391532-002	0.222	+1.596026666-002
0.023	9.477145328-002	0.073	-1.141581278-002	0.123	-5.883394058-003	0.173	1.265906296-002	0.223	-1.465658701-002
0.024	1.173616873-001	0.074	-2.373888220-002	0.124	2.384761504-003	0.174	7.416546256-003	0.224	+1.201717919-002
0.025	1.277663485-001	0.075	+3.358066585+002	0.125	1.030927867-002	0.175	1.548054914-003	0.225	+8.294093986-003
0.026	1.260520643-001	0.076	+4.011402322+002	0.126	1.717177479-002	0.176	-4.402478236-003	0.226	+3.836903363-003
0.027	1.132796288-001	0.077	+4.283203568+002	0.127	2.236150623-002	0.177	+9.889156019-003	0.227	9.400580071-004
0.028	9.135202321-002	0.078	+4.158489250+002	0.128	2.542937583-002	0.178	+1.441406466-002	0.228	5.596145229-003
0.029	6.280549207-002	0.079	+3.658471482+002	0.129	2.612644095-002	0.179	+1.757233243-002	0.229	9.704986997-003
0.030	3.056262365-002	0.080	+2.837745734+002	0.130	2.442365152-002	0.180	+1.908823285-002	0.230	1.289346871-002
0.031	-2.331397678-003	0.081	-1.778559905+002	0.131	2.051129809-002	0.181	-1.883912425-002	0.231	1.487555618-002
0.032	+3.296772099-002	0.082	+5.827385556-003	0.132	1.477851209-002	0.182	+1.686515892-002	0.232	1.547789894-002
0.033	-5.880755202-002	0.083	6.379597011+003	0.133	7.774966408-003	0.183	+1.336401477-002	0.233	1.465492644-002
0.034	+7.787311948-002	0.084	1.772151774-002	0.134	1.585088998-004	0.184	+8.671276697-003	0.234	1.249212846-002
0.035	+8.888247633-002	0.085	2.718867551+002	0.135	-7.366313369-003	0.185	+3.228399149-003	0.235	9.197301895-003
0.036	+9.131980066-002	0.086	3.396421521+002	0.136	-1.411312323-002	0.186	2.458703709-003	0.236	5.080649612-003
0.037	+8.543842669-002	0.087	3.749340035+002	0.137	-1.947603118-002	0.187	7.866566689-003	0.237	5.256313767-004
0.038	-7.219942716-002	0.088	3.752827600+002	0.138	-2.298376945-002	0.188	1.250224251-002	0.238	+4.046699279-003
0.039	-5.315372870-002	0.089	3.414241360+002	0.139	-2.434083015-002	0.189	1.594812716-002	0.239	+8.216560601-003
0.040	-3.028006517-002	0.090	2.771818151+002	0.140	-2.345204091-002	0.190	1.789947536-002	0.240	+1.160392818-002
0.041	-5.794231127-003	0.091	1.890460143+002	0.141	-2.042856356-002	0.191	1.819124520-002	0.241	+1.390311715-002
0.042	1.805313190-002	0.092	8.554277835-003	0.142	-1.557501680-002	0.192	1.681191679-002	0.242	+1.491031865-002
0.043	3.917270411-002	0.093	-2.359641030+003	0.143	-9.359143075-003	0.193	1.390314130-002	0.243	+1.454161454-002
0.044	5.581028144-002	0.094	-1.283276119+002	0.144	-2.367008316-003	0.194	9.745381599-003	0.244	+1.283988261-002
0.045	6.668437131-002	0.095	+2.192148511+002	0.145	4.751999862-003	0.195	4.730983922-003	0.245	+9.970032778-003
0.046	7.107733851-002	0.096	+2.882708978+002	0.146	1.134523764-002	0.196	-6.727442289-004	0.246	+6.203086919-003
0.047	6.887416037-002	0.097	-3.296511574-002	0.147	1.681640063-002	0.197	+5.966985035-003	0.247	+1.890633824-003
0.048	6.054751320-002	0.098	-3.401401738+002	0.148	2.067922894-002	0.198	-1.066735902-002	0.248	2.567937700-003
0.049	4.709252334-002	0.099	+3.193909656+002	0.149	2.260050507-002	0.199	-1.434814799-002	0.249	6.762378319-003
0.250	1.030927824-002								

ARRAY FACTORS N = 97

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.251	1.288706795-002	0.301	-7.375836036-003	0.351	1.699508664-003	0.401	3.443201860-003	0.451	-7.446191336-003
0.252	1.426512835-002	0.302	-1.012027047-002	0.352	5.041552084-003	0.402	2.039008502-004	0.452	-4.908317778-003
0.253	1.432437950-002	0.303	-1.192201048-002	0.353	7.909294285-003	0.403	-3.047702645-003	0.453	-1.920842795-003
0.254	1.306751340-002	0.304	-1.241969617-002	0.354	1.004047923-002	0.404	-6.012356610-003	0.454	1.240740132-003
0.255	1.061799706-002	0.305	-1.215412141-002	0.355	1.124139258-002	0.405	-8.417800209-003	0.455	4.285167341-003
0.256	7.208006153-003	0.306	-1.057321746-002	0.356	1.140445529-002	0.406	-1.004375425-002	0.456	6.932226076-003
0.257	3.156462848-003	0.307	-8.027177357-003	0.357	1.051784719-002	0.407	-1.074208277-002	0.457	8.938534570-003
0.258	-1.160748713-003	0.308	-4.754212196-003	0.358	8.666300573-003	0.408	-1.045028080-002	0.458	1.011990965-002
0.259	-5.345611848-003	0.309	-1.058287594-003	0.359	6.023018082-003	0.409	-9.197061659-003	0.459	1.036826760-002
0.260	-9.014628312-003	0.310	2.719088983-003	0.360	2.833484247-003	0.410	-7.099544383-003	0.460	9.661508055-003
0.261	-1.183391985-002	0.311	6.230359336-003	0.361	-6.073172944-004	0.411	-4.352316289-003	0.461	8.065477323-003
0.262	-1.354957133-002	0.312	9.153943315-003	0.362	-3.982168555-003	0.412	-1.209390672-003	0.462	5.727837172-003
0.263	-1.401046133-002	0.313	1.122359059-002	0.363	-6.980844718-003	0.413	2.039267795-003	0.463	2.864409586-003
0.264	-1.318153093-002	0.314	1.225264417-002	0.364	-9.328613489-003	0.414	5.094481815-003	0.464	-2.607400950-004
0.265	-1.114632942-002	0.315	1.215084574-002	0.365	-1.081138999-002	0.415	7.675400330-003	0.465	-3.359644965-003
0.266	-8.098665468-003	0.316	1.093222626-002	0.366	-1.129524474-002	0.416	9.545303087-003	0.466	-6.146959751-003
0.267	-4.324191773-003	0.317	8.713386389-003	0.367	-1.073848885-002	0.417	1.053330160-002	0.467	-8.366223861-003
0.268	-1.736691606-004	0.318	5.702364183-003	0.368	-9.195246831-003	0.418	1.054994815-002	0.468	-9.813448365-003
0.269	3.969591018-003	0.319	2.179156734-003	0.369	-6.810212487-003	0.419	9.595327486-003	0.469	-1.035585788-002
0.270	7.725087775-003	0.320	-1.530323444-003	0.370	-3.805094808-003	0.420	7.758900133-003	0.470	-9.944066683-003
0.271	1.075003616-002	0.321	-5.084314485-003	0.371	-4.580217461-004	0.421	5.211125176-003	0.471	-8.616572681-003
0.272	1.277061908-002	0.322	-8.156734706-003	0.372	2.922185188-003	0.422	2.187646685-003	0.472	-6.496160685-003
0.273	1.360673932-002	0.323	-1.046703037-002	0.373	6.024488501-003	0.423	-1.032490523-003	0.473	-3.778550534-003
0.274	1.318803722-002	0.324	-1.180579773-002	0.374	8.564239040-003	0.424	-4.152582324-003	0.474	-7.143394091-004
0.275	1.155975268-002	0.325	-1.205373447-002	0.375	1.030927844-002	0.425	-6.885590690-003	0.475	2.414096330-003
0.276	8.877948675-003	0.326	-1.119925442-002	0.376	1.110114766-002	0.426	-8.980538033-003	0.476	5.318612148-003
0.277	5.394591891-003	0.327	-9.304805145-003	0.377	1.086946478-002	0.427	-1.024554387-002	0.477	7.731823504-003
0.278	1.433912997-003	0.328	-6.548812304-003	0.378	9.638168955-003	0.428	-1.056539079-002	0.478	9.431710304-003
0.279	-2.637738578-003	0.329	-3.239019014-003	0.379	7.523077425-003	0.429	-9.912012438-003	0.479	1.026203467-002
0.280	-6.445745834-003	0.330	3.762126103-004	0.380	4.721002357-003	0.430	-8.346949026-003	0.480	1.014669462-002
0.281	-9.641656672-003	0.331	3.943434421-003	0.381	1.491449418-003	0.431	-6.015556632-003	0.481	9.096696019-003
0.282	-1.193503603-002	0.332	7.134855472-003	0.382	-1.867401808-003	0.432	-3.133514239-003	0.482	7.209104077-003
0.283	-1.311982900-002	0.333	9.658421886-003	0.383	-5.046212711-003	0.433	3.311930069-005	0.483	4.658074210-003
0.284	-1.309284476-002	0.334	1.128454261-002	0.384	-7.752959377-003	0.434	3.192455242-003	0.484	1.678790846-003
0.285	-1.186270584-002	0.335	1.186494973-002	0.385	-9.739744692-003	0.435	6.053668114-003	0.485	-1.454205755-003
0.286	-9.548490214-003	0.336	1.135584057-002	0.386	-1.082548892-002	0.436	8.353754498-003	0.486	-4.452307401-003
0.287	-6.368242826-003	0.337	9.802108211-003	0.387	-1.091242311-002	0.437	9.881697514-003	0.487	-7.039413304-003
0.288	-2.618461550-003	0.338	7.352305915-003	0.388	-9.994883587-003	0.438	1.049781693-002	0.488	-8.977345895-003
0.289	1.353515355-003	0.339	4.234841039-003	0.389	-8.159617719-003	0.439	1.014653185-002	0.489	-1.008776899-002
0.290	5.181651510-003	0.340	7.386969980-004	0.390	-5.577592304-003	0.440	8.861370355-003	0.490	-1.026859220-002
0.291	8.514912924-003	0.341	-2.813335638-003	0.391	-2.488077421-003	0.441	6.761774692-003	0.491	-9.503352911-003
0.292	1.104942688-002	0.342	-6.094441211-003	0.392	8.235134569-004	0.442	4.042006440-003	0.492	-7.862714261-003
0.293	1.255615578-002	0.343	-8.803828765-003	0.393	4.051976438-003	0.443	9.531810525-004	0.493	-5.497942798-003
0.294	1.290156837-002	0.344	-1.069428742-002	0.394	6.900430642-003	0.444	-2.219906982-003	0.494	-2.626967565-003
0.295	1.205944480-002	0.345	-1.159472579-002	0.395	9.107604176-003	0.445	-5.185030751-003	0.495	4.856949115-004
0.296	1.011277490-002	0.346	-1.142564109-002	0.396	1.047178642-002	0.446	-7.669431936-003	0.496	3.553301768-003
0.297	7.245622031-003	0.347	-1.020412113-002	0.397	1.086925124-002	0.447	-9.444900085-003	0.497	6.293287794-003
0.298	3.725746613-003	0.348	-8.051763979-003	0.398	1.026547016-002	0.448	-1.034872618-002	0.498	8.453282254-003
0.299	-1.203728615-004	0.349	-5.163736389-003	0.399	8.718099378-003	0.449	-1.029860668-002	0.499	9.834344361-003
0.300	-3.937793588-003	0.350	-1.810805256-003	0.400	6.371484010-003	0.450	-9.300133890-003	0.500	1.030927835-002
0.501	9.834343435-003								

ARRAY FACTORS N = 98

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.000	1.000000000+000	0.050	2.015490491-002	0.100	-1.940931651-002	0.150	1.818380633-002	0.200	-1.651055086-002
0.001	9.842783761-001	0.051	4.018744519-004	0.101	-1.030164789-002	0.151	1.324370759-002	0.201	-1.404787583-002
0.002	9.380015875-001	0.052	-1.843480139-002	0.102	-4.070803915-004	0.152	7.125931429-003	0.202	-1.029096906-002
0.003	8.637742067-001	0.053	-3.524363932-002	0.103	9.339838046-003	0.153	4.159692865-004	0.203	-5.602422907-003
0.004	7.657426282-001	0.054	-4.798778380-002	0.104	1.803575002-002	0.154	-6.252506299-003	0.204	-4.288799539-004
0.005	6.493181700-001	0.055	-5.584176359-002	0.105	2.489154900-002	0.155	-1.225727597-002	0.205	4.741426029-003
0.006	5.208181176-001	0.056	-5.825993108-002	0.106	2.930335794-002	0.156	-1.704543120-002	0.206	9.424657300-003
0.007	3.870507460-001	0.057	-5.521095393-002	0.107	3.090509709-002	0.157	-2.018409374-002	0.207	1.318656394-002
0.008	2.548742364-001	0.058	-4.716798379-002	0.108	2.959812062-002	0.158	-2.139936142-002	0.208	1.568266766-002
0.009	1.307609939-001	0.059	-3.502437335-002	0.109	2.555559344-002	0.159	-2.059999377-002	0.209	1.668972634-002
0.010	2.039809291-002	0.060	-2.004467862-002	0.110	1.920164814-002	0.160	-1.788380951-002	0.210	1.612561247-002
0.011	-7.164852118-002	0.061	-3.699835761-003	0.111	1.116768602-002	0.161	-1.392639890-002	0.211	1.405584403-002
0.012	-1.421835720-001	0.062	1.246841487-002	0.112	2.230252612-003	0.162	-7.953403091-003	0.212	1.068626542-002
0.013	-1.895299954-001	0.063	2.697574051-002	0.113	-6.763457896-003	0.163	-1.699126649-003	0.213	6.342674146-003
0.014	-2.135665853-001	0.064	3.853809728-002	0.114	-1.497537553-002	0.164	4.644510650-003	0.214	1.439400031-003
0.015	-2.156561448-001	0.065	4.618862044-002	0.115	-2.165414254-002	0.165	1.048382176-002	0.215	-3.560140134-003
0.016	-1.984726645-001	0.066	4.931717060-002	0.116	-2.620337940-002	0.166	1.527874761-002	0.216	-8.187164279-003
0.017	-1.657433523-001	0.067	4.779226496-002	0.117	-2.823446899-002	0.167	1.859264598-002	0.217	-1.201140578-002
0.018	-1.219272785-001	0.068	4.188268061-002	0.118	-2.759922930-002	0.168	2.013189804-002	0.218	-1.468105230-002
0.019	-7.185653994-002	0.069	3.225972281-002	0.119	-2.439977636-002	0.169	1.977175485-002	0.219	-1.595504222-002
0.020	-2.036789226-002	0.070	1.991466864-002	0.120	-1.897503008-002	0.170	1.756616361-002	0.220	-1.572476005-002
0.021	2.804735142-002	0.071	6.068916615-003	0.121	-1.186548236-002	0.171	1.374082966-002	0.221	-1.402318496-002
0.022	6.954966070-002	0.072	-7.943363420-003	0.122	-3.759830560-003	0.172	8.670338282-003	0.222	-1.102073291-002
0.023	1.011925839-001	0.073	-2.087896090-002	0.123	4.571299807-003	0.173	2.841635112-003	0.223	-7.008281454-003
0.024	1.210834682-001	0.074	-3.151432874-002	0.124	1.234820606-002	0.174	-3.192588966-003	0.224	-2.369059663-003
0.025	1.284548638-001	0.075	-3.894460041-002	0.125	1.885468459-002	0.175	-8.866160788-003	0.225	2.457887207-003
0.026	1.236451463-001	0.076	-4.257195187-002	0.126	2.350361288-002	0.176	-1.365240698-002	0.226	7.019181062-003
0.027	1.079940456-001	0.077	-4.215279908-002	0.127	2.588956600-002	0.177	-1.711290983-002	0.227	1.088962961-002
0.028	8.366524730-002	0.078	-3.783031209-002	0.128	2.582378446-002	0.178	-1.893753641-002	0.228	1.371179867-002
0.029	5.341352615-002	0.079	-3.010196214-002	0.129	2.334851339-002	0.179	-1.897209748-002	0.229	1.522896084-002
0.030	2.031759104-002	0.080	-1.976700332-002	0.130	1.872968597-002	0.180	-1.723118200-002	0.230	1.530838918-002
0.031	-1.249828741-002	0.081	-7.845437895-003	0.131	1.242894444-002	0.181	-1.389511851-002	0.231	1.395288766-002
0.032	-4.213082914-002	0.082	4.520125918-003	0.132	5.057890885-003	0.182	-9.291503243-003	0.232	1.129956453-002
0.033	-6.613134015-002	0.083	1.617443373-002	0.133	-2.680934815-003	0.183	-3.863169108-003	0.233	7.606053943-003
0.034	-8.268876869-002	0.084	2.605428699-002	0.134	-1.006068671-002	0.184	1.874286014-003	0.234	3.225561976-003
0.035	-9.074950403-002	0.085	3.328525558-002	0.135	-1.639816508-002	0.185	7.381350107-003	0.235	-1.426851442-003
0.036	-9.006693485-002	0.086	3.725769070-002	0.136	-2.111676578-002	0.186	1.214520968-002	0.236	-5.913541810-003
0.037	-8.117988881-002	0.087	3.767489678-002	0.137	-2.379865326-002	0.187	1.572738789-002	0.237	-9.815390649-003
0.038	-6.532503054-002	0.088	3.458324378-002	0.138	-2.422146270-002	0.188	1.780399295-002	0.238	-1.277090078-002
0.039	-4.429361368-002	0.089	2.834103526-002	0.139	-2.237633442-002	0.189	1.819489232-002	0.239	-1.450963518-002
0.040	-2.024723880-002	0.090	1.959783025-002	0.140	-1.846585793-002	0.190	1.687919531-002	0.240	-1.487691077-002
0.041	4.489858316-003	0.091	9.218583816-003	0.141	-1.288238546-002	0.191	1.399572689-002	0.241	-1.384749716-002
0.042	2.764316970-002	0.092	-1.798815800-003	0.142	-6.168989554-003	0.192	9.828587329-003	0.242	-1.152711327-002
0.043	4.718645844-002	0.093	-1.241846883-002	0.143	1.033080395-003	0.193	4.779281507-003	0.243	-8.141662790-003
0.044	6.150990986-002	0.094	-2.166290885-002	0.144	8.045385182-003	0.194	-6.718592495-004	0.244	-4.015296804-003
0.045	6.954456696-002	0.095	-2.870217787-002	0.145	1.421595120-002	0.195	-6.011265967-003	0.245	4.605718733-004
0.046	7.083399516-002	0.096	-3.292749298-002	0.146	1.897964482-002	0.196	-1.074041489-002	0.246	4.864345364-003
0.047	6.554902186-002	0.097	-3.400303988-002	0.147	2.190969747-002	0.197	-1.442227445-002	0.247	8.783900982-003
0.048	5.444648276-002	0.098	-3.189156303-002	0.148	2.275570447-002	0.198	-1.672159771-002	0.248	1.185510945-002
0.049	3.877773972-002	0.099	-2.685191218-002	0.149	2.146473575-002	0.199	-1.743535484-002	0.249	1.379561541-002
0.250	1.443075064-002								

ARRAY FACTORS N = 98

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.251	1.370920627-002	0.301	-1.258402867-002	0.351	1.085202439-002	0.401	-8.631546629-003	0.451	6.016973249-003
0.252	1.170706218-002	0.302	-1.198915445-002	0.352	1.141508514-002	0.402	-1.014111026-002	0.452	8.273141280-003
0.253	8.619869670-003	0.303	-1.027212466-002	0.353	1.090468063-002	0.403	-1.069502451-002	0.453	9.749588197-003
0.254	4.743602262-003	0.304	-7.599010622-003	0.354	9.372082589-003	0.404	-1.024316431-002	0.454	1.030831172-002
0.255	4.463254921-004	0.305	-4.224788706-003	0.355	6.964322445-003	0.405	-8.829942530-003	0.455	9.897657276-003
0.256	-3.866706676-003	0.306	-4.690445050-004	0.356	3.910100042-003	0.406	-6.589955140-003	0.456	8.557090200-003
0.257	-7.791223575-003	0.307	3.314269880-003	0.357	4.980763544-004	0.407	-3.735170693-003	0.457	6.413406371-003
0.258	-1.096178635-002	0.308	6.770165822-003	0.358	-2.950391178-003	0.408	-5.348825484-004	0.458	3.668744981-003
0.259	-1.308657378-002	0.309	9.575899878-003	0.359	-6.111496808-003	0.409	2.709681108-003	0.459	5.815360311-004
0.260	-1.397034909-002	0.310	1.147108919-002	0.360	-8.689373337-003	0.410	5.693696559-003	0.460	-2.557822188-003
0.261	-1.353992596-002	0.311	1.228185277-002	0.361	-1.044376697-002	0.411	8.137368879-003	0.461	-5.454268027-003
0.262	-1.184255564-002	0.312	1.193474278-002	0.362	-1.121241373-002	0.412	9.812153889-003	0.462	-7.835796815-003
0.263	-9.044702834-003	0.313	1.047308802-002	0.363	-1.092603443-002	0.413	1.056212200-002	0.463	-9.478993994-003
0.264	-5.414966729-003	0.314	8.032643750-003	0.364	-9.614563830-003	0.414	1.031846767-002	0.464	-1.022998496-002
0.265	-1.298335177-003	0.315	4.848640992-003	0.365	-7.404055208-003	0.415	9.105815178-003	0.465	-1.001883826-002
0.266	2.916564451-003	0.316	1.292764428-003	0.366	-4.504577577-003	0.416	7.039743362-003	0.466	-8.866074096-003
0.267	6.834112547-003	0.317	-2.503023423-003	0.367	-1.190266324-003	0.417	4.315777026-003	0.467	-6.880673127-003
0.268	1.008879050-002	0.318	-5.978788368-003	0.368	2.226579347-003	0.418	1.190892774-003	0.468	-4.249778205-003
0.269	1.237924623-002	0.319	-8.879466315-003	0.369	5.424906769-003	0.419	-2.040712091-003	0.469	-1.221062056-003
0.270	1.349616049-002	0.320	-1.093524053-002	0.370	8.105059108-003	0.420	-5.075304442-003	0.470	1.920579027-003
0.271	1.334134026-002	0.321	-1.195661818-002	0.371	1.001683455-002	0.421	-7.628149238-003	0.471	4.879812622-003
0.272	1.193630138-002	0.322	-1.185187732-002	0.372	1.098282927-002	0.422	-9.460213707-003	0.472	7.378621574-003
0.273	9.419594464-003	0.323	-1.063527970-002	0.373	1.091488763-002	0.423	-1.040053813-002	0.473	9.182412553-003
0.274	6.033186823-003	0.324	-8.425316543-003	0.374	9.822135561-003	0.424	-1.036218091-002	0.474	1.012203088-002
0.275	2.099234267-003	0.325	-5.433190464-003	0.375	7.809865808-003	0.425	-9.350251155-003	0.475	1.010961683-002
0.276	-2.010530560-003	0.326	-1.942651333-003	0.376	5.069404147-003	0.426	-7.461287353-003	0.476	9.146817307-003
0.277	-5.909887763-003	0.327	1.716890689-003	0.377	1.859930592-003	0.427	-4.874053806-003	0.477	7.324585989-003
0.278	-9.234389270-003	0.328	5.201429812-003	0.378	-1.516018082-003	0.428	-1.832631670-003	0.478	4.814595003-003
0.279	-1.167538653-002	0.329	8.184678825-003	0.379	-4.741050955-003	0.429	1.376597190-003	0.479	1.853068382-003
0.280	-1.300865280-002	0.330	1.038860017-002	0.380	-7.512746172-003	0.430	4.451903615-003	0.480	-1.281440485-003
0.281	-1.311494922-002	0.331	1.160929885-002	0.381	-9.571994564-003	0.431	7.104566701-003	0.481	-4.294238022-003
0.282	-1.199065077-002	0.332	1.173586773-002	0.382	-1.072720833-002	0.432	9.085967568-003	0.482	-6.902184904-003
0.283	-9.747489019-003	0.333	1.076044511-002	0.383	-1.087213463-002	0.433	1.021088047-002	0.483	-8.860294069-003
0.284	-6.601491748-003	0.334	8.778574208-003	0.384	-9.995618343-003	0.434	1.037477971-002	0.484	-9.984735152-003
0.285	-2.852210346-003	0.335	5.979866304-003	0.385	-8.182418330-003	0.435	9.563546400-003	0.485	-1.017008549-002
0.286	1.145770793-003	0.336	2.629878255-003	0.386	-5.605021980-003	0.436	7.854674081-003	0.486	-9.399209990-003
0.287	5.016335767-003	0.337	-9.550658509-004	0.387	-2.507247859-003	0.437	5.409871393-003	0.487	-7.744844130-003
0.288	8.397187836-003	0.338	-4.437722822-003	0.388	8.188063263-004	0.438	2.459767138-003	0.488	-5.362733961-003
0.289	1.097372959-002	0.339	-7.491634247-003	0.389	4.060291619-003	0.439	-7.178359208-004	0.489	-2.476979866-003
0.290	1.250830714-002	0.340	-9.831707550-003	0.390	6.913019101-003	0.440	-3.824109299-003	0.490	6.410373153-004
0.291	1.286210292-002	0.341	-1.124081132-002	0.391	9.109990699-003	0.441	-6.567288865-003	0.491	3.698166903-003
0.292	1.200766271-002	0.342	-1.158990607-002	0.392	1.044637542-002	0.442	-8.690067279-003	0.492	6.407038439-003
0.293	1.003092915-002	0.343	-1.084984503-002	0.393	1.070859516-002	0.443	-9.993718634-003	0.493	8.513063652-003
0.294	7.122642380-003	0.344	-9.093767668-003	0.394	1.013574335-002	0.444	-1.035669378-002	0.494	9.818353500-003
0.295	3.559963618-003	0.345	-6.489893419-003	0.395	8.522281738-003	0.445	-9.745947568-003	0.495	1.020030487-002
0.296	-3.199099671-004	0.346	-3.285423672-003	0.396	6.111781921-003	0.446	-8.219942856-003	0.496	9.623111705-003
0.297	-4.151630550-003	0.347	2.169093036-004	0.397	3.132317702-003	0.447	-5.923058427-003	0.497	8.141120247-003
0.298	-7.576072619-003	0.348	3.687422940-003	0.398	-1.351025878-004	0.448	-3.071935531-003	0.498	5.893714117-003
0.299	-1.027396233-002	0.349	6.800498435-003	0.399	-3.383025825-003	0.449	6.494653078-005	0.499	3.092210445-003
0.300	-1.199561728-002	0.350	9.265112213-003	0.400	-6.306469690-003	0.450	3.192541087-003	0.500	-1.554679107-009
0.501	-3.092213372-003								

ARRAY FACTORS N = 99

TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.000	1.000000000-000	0.050	1.010101012-002	0.100	-1.010100992-002	0.150	1.010100967-002	0.200	-1.010100996-002
0.001	9.839574160-001	0.051	-9.708090631-003	0.101	-1.017077367-004	0.151	3.527856700-003	0.201	-5.338676112-003
0.002	9.367543467-001	0.052	-2.784802224-002	0.102	9.717756761-003	0.152	-3.301777452-003	0.202	-1.070511496-004
0.003	8.611014370-001	0.053	-4.268749616-002	0.103	1.842943067-002	0.153	-9.734106202-003	0.203	5.090340050-003
0.004	7.613098186-001	0.054	-5.296184315-002	0.104	2.522759763-002	0.154	-1.516104433-002	0.204	9.757516556-003
0.005	6.429973854-001	0.055	-5.787617825-002	0.105	2.950263632-002	0.155	-1.907748853-002	0.205	1.345328242-002
0.006	5.127086507-001	0.056	-5.716195869-002	0.106	3.089503060-002	0.156	-2.112813097-002	0.206	1.583284784-002
0.007	3.774763202-001	0.057	-5.108336164-002	0.107	2.932480553-002	0.157	-2.113948511-002	0.207	1.667991217-002
0.008	2.443568146-001	0.058	-4.039456827-002	0.108	2.499405812-002	0.158	-1.913425688-002	0.208	1.592623084-002
0.009	1.199735799-001	0.059	-2.625345872-002	0.109	1.836282215-002	0.159	-1.532690209-002	0.209	1.365690543-002
0.010	1.010100995-002	0.060	-1.010101013-002	0.110	1.010100985-002	0.160	-1.010100965-002	0.210	1.010101002-002
0.011	-8.068171151-002	0.061	6.481473373-003	0.111	1.021376503-003	0.161	-3.970866971-003	0.211	5.608566505-003
0.012	-1.492432733-001	0.062	2.192354349-002	0.112	-7.999846109-003	0.162	2.468961614-003	0.212	6.161737496-004
0.013	-1.940432839-001	0.063	3.481101218-002	0.113	-1.610695260-002	0.163	8.601118747-003	0.213	-4.395342359-003
0.014	-2.151581698-001	0.064	4.401249688-002	0.114	-2.254540308-002	0.164	1.384445943-002	0.214	-8.947157791-003
0.015	-2.141914019-001	0.065	4.877593285-002	0.115	-2.673154768-002	0.165	1.770895610-002	0.215	-1.260812160-002
0.016	-1.940782567-001	0.066	4.878711286-002	0.116	-2.830503889-002	0.166	1.984133114-002	0.216	-1.503552013-002
0.017	-1.588030713-001	0.067	4.418594230-002	0.117	-2.715927066-002	0.167	2.005718300-002	0.217	-1.600708731-002
0.018	-1.130531364-001	0.068	3.554812435-002	0.118	-2.344732885-002	0.168	1.835670043-002	0.218	-1.544127810-002
0.019	-6.183752779-002	0.069	2.377990745-002	0.119	-1.756328721-002	0.169	1.492264860-002	0.219	-1.340396299-002
0.020	-1.010100995-002	0.070	1.010101015-002	0.120	-1.010100980-002	0.170	1.010100974-002	0.220	-1.010101009-002
0.021	3.763743527-002	0.071	-4.154422831-003	0.121	-1.794707703-003	0.171	4.366302943-003	0.221	-5.857569997-003
0.022	7.759479934-002	0.072	-1.762721693-002	0.122	6.552846841-003	0.172	-1.724956909-003	0.222	-1.086139557-003
0.023	1.069612304-001	0.073	-2.906865113-002	0.123	1.414747436-002	0.173	-7.588112487-003	0.223	3.753466011-003
0.024	1.240489909-001	0.074	-3.745425772-002	0.124	2.027873487-002	0.174	-1.266633230-002	0.224	8.198354637-003
0.025	1.283455024-001	0.075	-4.207373505-002	0.125	2.438599571-002	0.175	-1.648335056-002	0.225	1.182676328-002
0.026	1.204706975-001	0.076	-4.258923823-002	0.126	2.610931163-002	0.176	-1.868799716-002	0.226	1.429801237-002
0.027	1.020465407-001	0.077	-3.905743331-002	0.127	2.532053500-002	0.177	-1.908636625-002	0.227	1.538443026-002
0.028	7.549332969-002	0.078	-3.191417213-002	0.128	2.213200854-002	0.178	-1.765869047-002	0.228	1.499226218-002
0.029	4.377272838-002	0.079	-2.192413861-002	0.129	1.688235005-002	0.179	-1.455946962-002	0.229	1.316964919-002
0.030	1.010101003-002	0.080	-1.010101014-002	0.130	1.010100973-002	0.180	-1.010100983-002	0.230	1.010101013-002
0.031	-2.234253318-002	0.081	2.393716424-003	0.131	2.455262529-003	0.181	-4.722103759-003	0.231	6.088459559-003
0.032	-5.068768562-002	0.082	1.436329518-002	0.132	-5.315095335-003	0.182	1.055021317-003	0.232	1.522127122-003
0.033	-7.260420292-002	0.083	2.448893013-002	0.133	-1.246898822-002	0.183	6.675276590-003	0.233	-3.157712453-003
0.034	-8.647413123-002	0.084	3.243302538-002	0.134	-1.833441383-002	0.184	1.160392113-002	0.234	-7.503028135-003
0.035	-9.149380491-002	0.085	3.692307429-002	0.135	-2.237125771-002	0.185	1.537731840-002	0.235	-1.110086511-002
0.036	-8.770018454-002	0.086	3.780879187-002	0.136	-2.422072719-002	0.186	1.764643436-002	0.236	-1.361253219-002
0.037	-7.592282226-002	0.087	3.508775089-002	0.137	-2.373690752-002	0.187	1.820900636-002	0.237	-1.480543024-002
0.038	-5.766901527-002	0.088	2.999782402-002	0.138	-2.099769687-002	0.188	1.702742919-002	0.238	-1.457453636-002
0.039	-3.495510920-002	0.089	2.047786676-002	0.139	-1.629436443-002	0.189	1.423079045-002	0.239	-1.295156415-002
0.040	-1.010101010-002	0.090	1.010101003-002	0.140	-1.010100970-002	0.190	1.010100990-002	0.240	-1.010101017-002
0.041	1.449255233-002	0.091	-1.012605141-003	0.141	-3.027085654-003	0.191	5.044549918-003	0.241	-6.303551952-003
0.042	3.656375435-002	0.092	-1.179504001-002	0.142	4.242289465-003	0.192	-4.474764233-004	0.242	-1.928466636-003
0.043	5.418721130-002	0.093	-2.123217124-002	0.143	1.101241405-002	0.193	-5.846895511-003	0.243	2.602224729-003
0.044	6.593281346-002	0.094	-2.845812823-002	0.144	1.664513025-002	0.194	-1.063916088-002	0.244	6.854411376-003
0.045	7.097339625-002	0.095	-3.283384651-002	0.145	2.061872714-002	0.195	-1.437228373-002	0.245	1.042343375-002
0.046	6.913375398-002	0.096	-3.400268916-002	0.146	2.257601936-002	0.196	-1.669936336-002	0.246	1.297254187-002
0.047	6.087896462-002	0.097	-3.191837716-002	0.147	2.235619349-002	0.197	-1.741072506-002	0.247	1.426462028-002
0.048	4.724544256-002	0.098	-2.684315615-002	0.148	2.000760693-002	0.198	-1.645269667-002	0.248	1.418419574-002
0.049	2.972309532-002	0.099	-1.931695674-002	0.149	1.578056477-002	0.199	-1.393135403-002	0.249	1.274768942-002
0.250	1.010101020-002								

ARRAY FACTORS N = 99

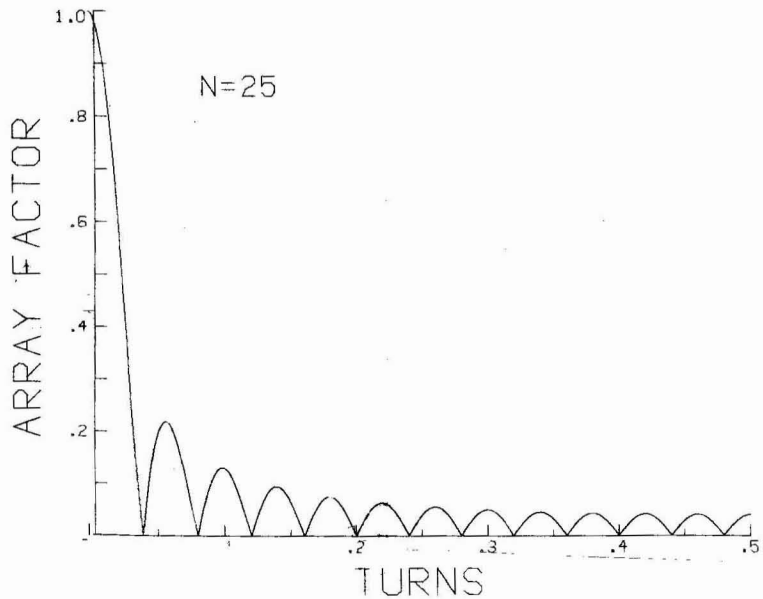
TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.251	6.504798714-003	0.301	-7.353762069-003	0.351	8.028539266-003	0.401	-8.603262449-003	0.451	9.122299537-003
0.252	2.308808685-003	0.302	-3.914981116-003	0.352	5.193561972-003	0.402	-6.283926683-003	0.452	7.269727043-003
0.253	-2.082061154-003	0.303	-1.168769329-004	0.353	1.869992066-003	0.403	-3.366908431-003	0.453	4.721758727-003
0.254	-6.246790542-003	0.304	3.675454887-003	0.354	-1.622337488-003	0.404	-1.329289739-004	0.454	1.723351290-003
0.255	-9.788559651-003	0.305	7.099108482-003	0.355	-4.948433794-003	0.405	3.107476999-003	0.455	-1.437587695-003
0.256	-1.237251266-002	0.306	9.828048983-003	0.356	-7.790258113-003	0.406	6.043765332-003	0.456	-4.457833117-003
0.257	-1.375737359-002	0.307	1.160415324-002	0.357	-9.877118096-003	0.407	8.395129126-003	0.457	-7.047918176-003
0.258	-1.381793302-002	0.308	1.226159124-002	0.358	-1.101143555-002	0.408	9.937340207-003	0.458	-8.959865911-003
0.259	-1.255631423-002	0.309	1.174228747-002	0.359	-1.108743845-002	0.409	1.052412087-002	0.459	-1.001092076-002
0.260	-1.010101023-002	0.310	1.010101033-002	0.360	-1.010101008-002	0.410	1.010100993-002	0.460	-1.010100996-002
0.261	-6.693856487-003	0.311	7.499646213-003	0.361	-8.149779573-003	0.411	8.710409465-003	0.461	-9.222267220-003
0.262	-2.666254394-003	0.312	4.191258316-003	0.362	-5.423474193-003	0.412	6.487345333-003	0.462	-7.459712617-003
0.263	1.593020830-003	0.313	4.954915276-004	0.363	-2.185485501-003	0.413	3.646364434-003	0.463	-4.983030777-003
0.264	5.675304862-003	0.314	-3.232285156-003	0.364	1.252561385-003	0.414	4.608393176-004	0.464	-2.030241998-003
0.265	9.191211848-003	0.315	-6.635123104-003	0.365	4.560781060-003	0.415	-2.763324320-003	0.465	1.115163083-003
0.266	1.180773438-002	0.316	-9.398847265-003	0.366	7.422662782-003	0.416	-5.717050279-003	0.466	4.151429387-003
0.267	1.327974562-002	0.317	-1.123195297-002	0.367	9.565335001-003	0.417	-8.117706799-003	0.467	6.787474627-003
0.268	1.347292659-002	0.318	-1.199230524-002	0.368	1.078556725-002	0.418	-9.736138035-003	0.468	8.770783307-003
0.269	1.237597795-002	0.319	-1.160130495-002	0.369	1.096903316-002	0.419	-1.041852770-002	0.469	9.911586089-003
0.270	1.010101026-002	0.320	-1.010101034-002	0.370	1.010101003-002	0.420	-1.010100992-002	0.470	1.010100998-002
0.271	6.872141568-003	0.321	-7.639469553-003	0.371	8.267514646-003	0.421	-8.815640135-003	0.471	9.321464184-003
0.272	3.003456766-003	0.322	-4.456133500-003	0.372	5.646793025-003	0.422	-6.687168477-003	0.472	7.648271207-003
0.273	-1.131507335-003	0.323	-8.585843432-004	0.373	2.492004646-003	0.423	-3.920939467-003	0.473	5.242392335-003
0.274	-5.135790101-003	0.324	2.807160929-003	0.374	-8.932178703-004	0.424	-7.830910391-004	0.474	2.334949594-003
0.275	-8.627077422-003	0.325	6.189906653-003	0.375	-4.183975611-003	0.425	2.425038699-003	0.475	-7.949679979-004
0.276	-1.127416642-002	0.326	8.966901025-003	0.376	-7.065268649-003	0.426	5.395836937-003	0.476	-3.847083603-003
0.277	-1.282835029-002	0.327	1.087460754-002	0.377	-9.262132475-003	0.427	7.844898372-003	0.477	-6.528728680-003
0.278	-1.314675272-002	0.328	1.173369429-002	0.378	-1.056586320-002	0.428	9.538240302-003	0.478	-8.582895705-003
0.279	-1.220542513-002	0.329	1.146587328-002	0.379	-1.085383220-002	0.429	1.031464683-002	0.479	-9.812859537-003
0.280	-1.010101029-002	0.330	1.010101026-002	0.380	-1.010100999-002	0.430	1.010100992-002	0.480	-1.010101002-002
0.281	-7.040872939-003	0.331	7.773861798-003	0.381	-8.382117278-003	0.431	8.919207995-003	0.481	-9.420093181-003
0.282	-3.322700749-003	0.332	4.710790471-003	0.382	-5.864221000-003	0.432	6.883875392-003	0.482	-7.835787491-003
0.283	6.944212865-004	0.333	1.267765810-003	0.383	-2.790507736-003	0.433	4.191289192-003	0.483	-5.500371520-003
0.284	4.624655247-003	0.334	-2.398212814-003	0.384	5.431905670-004	0.434	1.100450162-003	0.484	-2.638093394-003
0.285	8.092434810-003	0.335	-5.761514220-003	0.385	3.816853964-003	0.435	-2.091819474-003	0.485	4.763529207-004
0.286	1.076831992-002	0.336	-8.540981820-003	0.386	6.716978987-003	0.436	-5.079368200-003	0.486	3.544179458-003
0.287	1.240026207-002	0.337	-1.053057944-002	0.387	8.966585808-003	0.437	-7.576063556-003	0.487	6.271157242-003
0.288	1.283731600-002	0.338	-1.148465406-002	0.388	1.035165745-002	0.438	-9.343184485-003	0.488	8.395823809-003
0.289	1.204356970-002	0.339	-1.133541872-002	0.389	1.074148850-002	0.439	-1.021223647-002	0.489	9.714542105-003
0.290	1.010101031-002	0.340	-1.010101018-002	0.390	1.010100996-002	0.440	-1.010100992-002	0.490	1.010101005-002
0.291	7.201106421-003	0.341	-7.903384184-003	0.391	8.493928578-003	0.441	-9.021352125-003	0.491	9.518352414-003
0.292	3.625966652-003	0.342	-4.956284722-003	0.392	6.076401443-003	0.442	-7.077918348-003	0.492	8.022637779-003
0.293	-2.790748202-004	0.343	-1.544472435-003	0.393	3.081872723-003	0.443	-4.458032735-003	0.493	5.757485361-003
0.294	-4.138784214-003	0.344	2.003771000-003	0.394	-2.014560743-004	0.444	-1.413640661-003	0.494	2.940280175-003
0.295	-7.584052627-003	0.345	5.348209440-003	0.395	-3.458349169-003	0.445	1.762909431-003	0.495	-1.586808374-004
0.296	-1.028716377-002	0.346	8.149254424-003	0.396	-6.376787486-003	0.446	4.766927770-003	0.496	-3.242112047-003
0.297	-1.199293769-002	0.347	1.019849450-002	0.397	-8.677846035-003	0.447	7.310596161-003	0.497	-6.014246499-003
0.298	-1.254279376-002	0.348	1.194419706-002	0.398	-1.014233820-002	0.448	9.150532391-003	0.498	-8.209194888-003
0.299	-1.188946639-002	0.349	1.120942775-002	0.399	-1.063168303-002	0.449	1.011106740-002	0.499	-9.616438092-003
0.300	-1.010101032-002	0.350	1.010101012-002	0.400	-1.010100995-002	0.450	1.010100994-002	0.500	-1.010101010-002
0.501	-9.616437156-003								

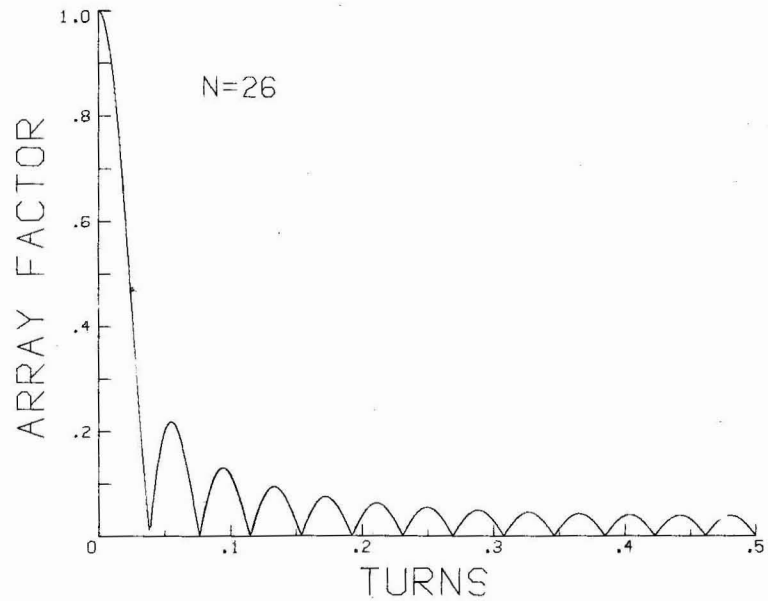
ARRAY FACTORS N = 100

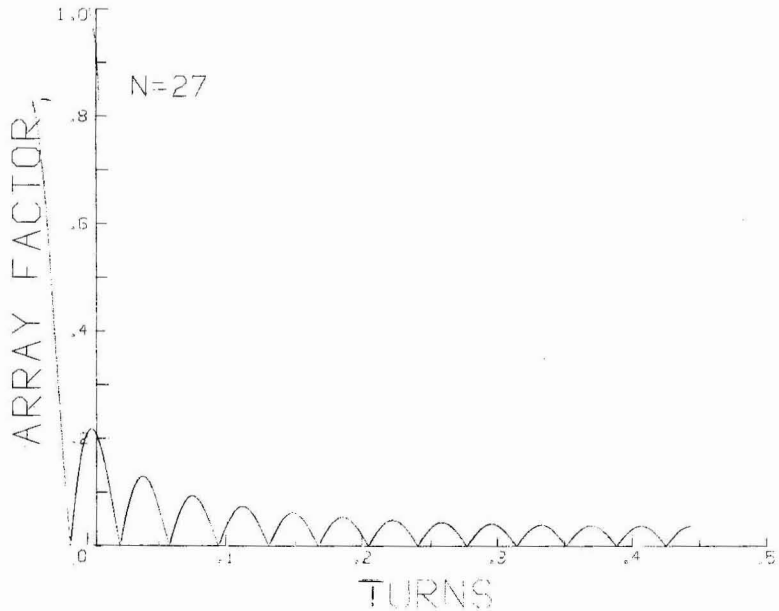
TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.000	1.000000000+000	0.050	7.685655566-012	0.100	1.714111922-010	0.150	-4.929804836-010	0.200	1.485431814-010
0.001	9.836332611-001	0.051	-1.936964123-002	0.101	9.904286364-003	0.151	-6.765006930-003	0.201	5.234702136-003
0.002	9.354954391-001	0.052	-3.614089383-002	0.102	1.866064801-002	0.152	-1.278962202-002	0.202	9.914455563-003
0.003	8.584063994-001	0.053	-4.881355858-002	0.103	2.544345576-002	0.153	-1.749726286-002	0.203	1.358815852-002
0.004	7.568466478-001	0.054	-5.633104968-002	0.104	2.963313458-002	0.154	-2.044618551-002	0.204	1.590648256-002
0.005	6.366459529-001	0.055	-5.816351033-002	0.105	3.087206626-002	0.155	-2.137072632-002	0.205	1.665500191-002
0.006	5.045810318-001	0.056	-5.433899665-002	0.106	2.909425943-002	0.156	-2.020498329-002	0.206	1.577392462-002
0.007	3.679126641-001	0.057	-4.542097388-002	0.107	2.452641227-002	0.157	-1.708685160-002	0.207	1.336262005-002
0.008	2.338969437-001	0.058	-3.243744796-002	0.108	1.766077910-002	0.158	-1.234225284-002	0.208	9.668628946-003
0.009	1.093069680-001	0.059	-1.676756936-002	0.109	9.202949187-003	0.159	-6.451316612-003	0.209	5.062352718-003
0.010	-1.466168321-010	0.060	-1.256229781-011	0.110	-2.629103972-010	0.160	5.394815231-010	0.210	-7.977463283-011
0.011	-8.943885919-002	0.061	1.622423197-002	0.111	-9.043726676-003	0.161	6.378003750-003	0.211	-5.021511906-003
0.012	-1.559518185-001	0.062	3.036873507-002	0.112	-1.705490583-002	0.162	1.206331699-002	0.212	-9.513249359-003
0.013	-1.981459307-001	0.063	4.114398292-002	0.113	-2.327501412-002	0.163	1.651084934-002	0.213	-1.304178785-002
0.014	-2.163059400-001	0.064	4.762188217-002	0.114	-2.713162348-002	0.164	1.930188246-002	0.214	-1.527095662-002
0.015	-2.122851509-001	0.065	4.931275395-002	0.115	-2.829055638-002	0.165	2.018331827-002	0.215	-1.599379041-002
0.016	-1.892863811-001	0.066	4.619860412-002	0.116	-2.668419796-002	0.166	1.909042440-002	0.216	-1.515165850-002
0.017	-1.515532755-001	0.067	3.872082452-002	0.117	-2.251363163-002	0.167	1.615105371-002	0.217	-1.283881140-002
0.018	-1.039986717-001	0.068	2.772478966-002	0.118	-1.622481948-002	0.168	1.167113097-002	0.218	-9.292016695-003
0.019	-5.180084126-002	0.069	1.436778881-002	0.119	-8.461541399-003	0.169	6.103016584-003	0.219	-4.866407731-003
0.020	1.436870965-010	0.070	3.880818961-011	0.120	3.391662732-010	0.170	-4.350925933-010	0.220	1.643706408-011
0.021	4.687359765-002	0.071	-1.396951574-002	0.121	8.328318146-003	0.171	-6.038519623-003	0.221	4.829586780-003
0.022	8.511222620-002	0.072	-2.620873309-002	0.122	1.571789794-002	0.172	-1.142574065-002	0.222	9.151931865-003
0.023	1.120618820-001	0.073	-3.558758931-002	0.123	2.146668168-002	0.173	-1.564433425-002	0.223	1.254956329-002
0.024	1.262573807-001	0.074	-4.128038903-002	0.124	2.504236897-002	0.174	-1.829597522-002	0.224	1.469821117-002
0.025	1.274549484-001	0.075	-4.283657570-002	0.125	2.613125929-002	0.175	-1.913880855-002	0.225	1.539769043-002
0.026	1.165644549-001	0.076	-4.021397675-002	0.126	2.466535258-002	0.176	-1.810933842-002	0.226	1.459047729-002
0.027	9.549154492-002	0.077	-3.377232291-002	0.127	2.082515010-002	0.177	-1.532677583-002	0.227	1.236626349-002
0.028	6.690691472-002	0.078	-2.422868280-002	0.128	1.501851786-002	0.178	-1.107960125-002	0.228	8.952147507-003
0.029	3.396530019-002	0.079	-1.257978080-002	0.129	7.837844186-003	0.179	-5.795825698-003	0.229	4.689521653-003
0.030	-5.875918494-011	0.080	-3.872251342-011	0.130	-3.817997280-010	0.180	3.411028656-010	0.230	4.184753643-011
0.031	-3.178026691-002	0.081	1.227565617-002	0.131	-7.724862523-003	0.181	5.738725968-003	0.231	-4.656218503-003
0.032	-5.856668089-002	0.082	2.307114565-002	0.132	-1.458862934-002	0.182	1.086235781-002	0.232	-8.825447081-003
0.033	-7.817575373-002	0.083	3.138067532-002	0.133	-1.993734257-002	0.183	1.487818680-002	0.233	-1.210465396-002
0.034	-8.920797481-002	0.084	3.646108819-002	0.134	-2.327318425-002	0.184	1.740604614-002	0.234	-1.418036333-002
0.035	-9.112920016-002	0.085	3.789701147-002	0.135	-2.430048864-002	0.185	1.821417921-002	0.235	-1.485856474-002
0.036	-8.427139654-002	0.086	3.563317450-002	0.136	-2.295155782-002	0.186	1.724034498-002	0.236	-1.408278268-002
0.037	-6.975646798-002	0.087	2.997155208-002	0.137	-1.939006595-002	0.187	1.459625281-002	0.237	-1.193862983-002
0.038	-4.935342299-002	0.088	2.153438662-002	0.138	-1.399203062-002	0.188	1.055505437-002	0.238	-8.644493507-003
0.039	-2.528453720-002	0.089	1.119736799-002	0.139	-7.306495587-003	0.189	5.523266865-003	0.239	-4.529356768-003
0.040	-2.045223026-013	0.090	-9.388631695-011	0.140	4.408850080-010	0.190	-2.236830913-010	0.240	-9.697267918-011
0.041	2.405748272-002	0.091	-1.095770399-002	0.141	7.209583508-003	0.191	-5.472437169-003	0.241	4.499152001-003
0.042	4.467663253-002	0.092	-2.062265017-002	0.142	1.362329428-002	0.192	-1.036166820-002	0.242	8.529581600-003
0.043	6.007046864-002	0.093	-2.808802634-002	0.143	1.862858089-002	0.193	-1.419693334-002	0.243	1.170136300-002
0.044	6.902202700-002	0.094	-3.267829313-002	0.144	2.175754330-002	0.194	-1.661431072-002	0.244	1.371083373-002
0.045	7.097170027-002	0.095	-3.480894075-002	0.145	2.273041520-002	0.195	-1.739114549-002	0.245	1.436961650-002
0.046	6.604064637-002	0.096	-3.281762224-002	0.146	2.148026717-002	0.196	-1.646643803-002	0.246	1.362222323-002
0.047	5.499068641-002	0.097	-2.696364633-002	0.147	1.815678865-002	0.197	-1.394533598-002	0.247	1.155060137-002
0.048	3.912683955-002	0.098	-1.939650529-002	0.148	1.310899279-002	0.198	-1.008743518-002	0.248	8.365264145-003
0.049	2.015361735-002	0.099	-1.009768227-002	0.149	6.848946127-003	0.199	-5.280168603-003	0.249	4.383954589-003
0.250	1.482087655-010								

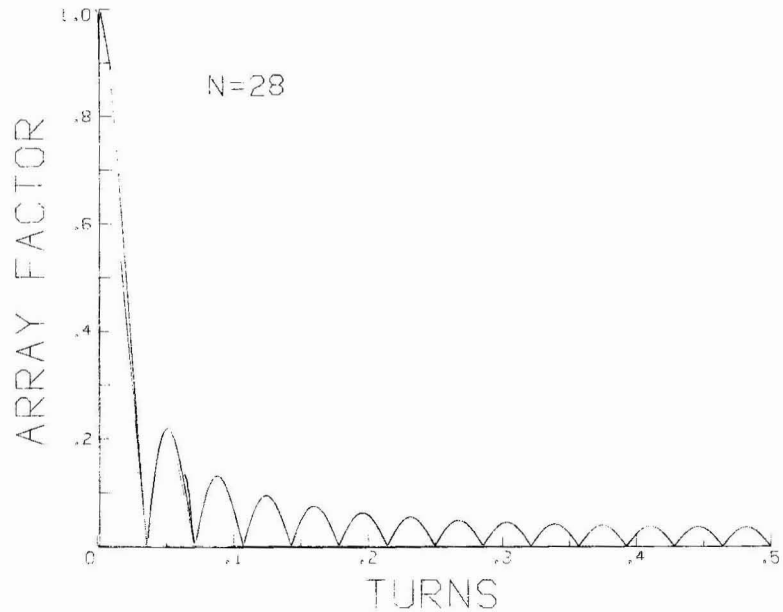
ARRAY FACTORS N = 100

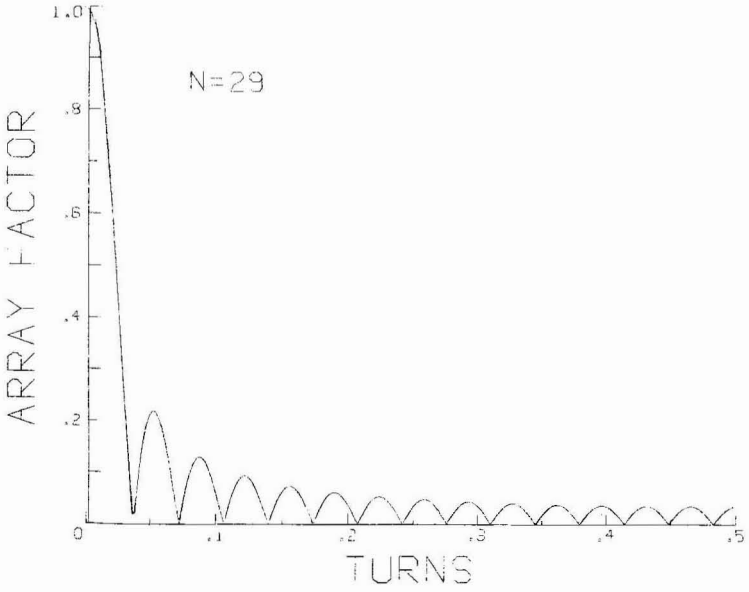
TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR	TURNS	ARRAY FACTOR
0.251	-4.356495284-003	0.301	3.810980013-003	0.351	-3.462653109-003	0.401	3.245908168-003	0.451	-3.127149711-003
0.252	-8.260797902-003	0.302	7.232551348-003	0.352	-6.575945504-003	0.402	6.167870246-003	0.452	-5.945322394-003
0.253	-1.133490400-002	0.303	9.932429577-003	0.353	-9.036815700-003	0.403	8.480914374-003	0.453	-8.179169633-003
0.254	-1.328409063-002	0.304	1.165024067-002	0.354	-1.060688143-002	0.404	9.960119868-003	0.454	-9.610746773-003
0.255	-1.392512714-002	0.305	1.222278177-002	0.355	-1.113551551-002	0.405	1.046251630-002	0.455	-1.010076872-002
0.256	-1.320345140-002	0.306	1.159892774-002	0.356	-1.057428244-002	0.406	9.940885531-003	0.456	-9.602155702-003
0.257	-1.119770517-002	0.307	9.845093400-003	0.357	-8.981353227-003	0.407	8.448189998-003	0.457	-8.164553126-003
0.258	-8.111263700-003	0.308	7.137365058-003	0.358	-6.515498533-003	0.408	6.132204946-003	0.458	-5.929392087-003
0.259	-4.251662868-003	0.309	3.744250999-003	0.359	-3.420278159-003	0.409	3.220897657-003	0.459	-3.115981478-003
0.260	-1.964645307-010	0.310	4.057558708-010	0.360	7.494462591-011	0.410	-6.267532763-010	0.460	1.107401793-009
0.261	4.226650101-003	0.311	-3.728296106-003	0.361	3.410180656-003	0.411	-3.215024654-003	0.461	3.113511280-003
0.262	8.016105752-003	0.312	-7.076668990-003	0.362	6.477083727-003	0.412	-6.109858555-003	0.462	5.919988330-003
0.263	1.100122844-002	0.313	-9.719774800-003	0.363	8.902038769-003	0.413	-8.402050840-003	0.463	8.145135131-003
0.264	1.289545215-002	0.314	-1.140248287-002	0.364	1.044995363-002	0.414	-9.868560425-003	0.464	9.571716240-003
0.265	1.352025364-002	0.315	-1.196447945-002	0.365	1.097209134-002	0.415	-1.036744916-002	0.465	1.006075736-002
0.266	1.282193556-002	0.316	-1.135551865-002	0.366	1.042034928-002	0.416	-9.851611612-003	0.466	9.565078184-003
0.267	1.087614843-002	0.317	-9.639871554-003	0.367	8.851671271-003	0.417	-8.373214941-003	0.467	8.133841367-003
0.268	7.879780727-003	0.318	-6.989584042-003	0.368	6.422189680-003	0.418	-6.078431166-003	0.468	5.907679322-003
0.269	4.131078890-003	0.319	-3.667246749-003	0.369	3.371698459-003	0.419	-3.192992926-003	0.469	3.104881573-003
0.270	2.421421878-010	0.320	-4.429678291-010	0.370	-1.740988547-010	0.420	7.163404711-010	0.470	-1.233364321-009
0.271	-4.108257974-003	0.321	3.652652064-003	0.371	-3.362543635-003	0.421	3.187847334-003	0.471	-3.103040359-003
0.272	-7.792962024-003	0.322	6.934063035-003	0.372	-6.387360630-003	0.422	6.058851623-003	0.472	-5.900667825-003
0.273	-1.069689117-002	0.323	9.595238345-003	0.373	-8.779760159-003	0.423	8.332788202-003	0.473	-8.119362347-003
0.274	-1.254093186-002	0.324	1.117582460-002	0.374	-1.030762568-002	0.424	9.788240821-003	0.474	-9.542380541-003
0.275	-1.315087000-002	0.325	1.172827697-002	0.375	-1.082392200-002	0.425	1.028415193-002	0.475	-1.003092198-002
0.276	-1.247381290-002	0.326	1.113287663-002	0.376	-1.028083388-002	0.426	9.773486256-003	0.476	-9.537662219-003
0.277	-1.058269632-002	0.327	9.452168324-003	0.377	-8.734177839-003	0.427	8.307685477-003	0.477	-8.111334702-003
0.278	-7.668501396-003	0.328	6.854425691-003	0.378	-6.337681844-003	0.428	6.031492893-003	0.478	-5.891918393-003
0.279	-4.021004989-003	0.329	3.596823908-003	0.379	-3.327717453-003	0.429	3.168667788-003	0.479	-3.096905891-003
0.280	-2.855896298-010	0.330	2.843928145-010	0.380	2.707619920-010	0.430	-8.051951281-010	0.480	1.322468300-009
0.281	4.000157764-003	0.331	-3.583482796-003	0.381	3.319449936-003	0.431	-3.164222165-003	0.481	3.095684423-003
0.282	7.589191881-003	0.332	-6.803472871-003	0.382	6.306227785-003	0.432	-6.014575772-003	0.482	5.887264108-003
0.283	1.041894440-002	0.333	-9.347379974-003	0.383	8.669234839-003	0.433	-8.272755604-003	0.483	8.101722330-003
0.284	1.221711709-002	0.334	-1.096861545-002	0.384	1.017903313-002	0.434	-9.718731868-003	0.484	9.522593034-003
0.285	1.281344231-002	0.335	-1.151236150-002	0.385	1.069011044-002	0.435	-1.021218040-002	0.485	1.001111359-002
0.286	1.215577320-002	0.336	-1.092937575-002	0.386	1.015489425-002	0.436	-9.706093642-003	0.486	9.519770971-003
0.287	1.031457540-002	0.337	-9.280619144-003	0.387	8.628166103-003	0.437	-8.251253506-003	0.487	8.096920858-003
0.288	7.475440925-003	0.338	-6.730911922-003	0.388	6.261468239-003	0.438	-5.991141182-003	0.488	5.882030715-003
0.289	3.920413316-003	0.339	-3.532475271-003	0.389	3.288072246-003	0.439	-3.147793446-003	0.489	3.092014670-003
0.290	3.274783836-010	0.340	-1.743918503-010	0.390	-4.049069268-010	0.440	9.315242855-010	0.490	-1.449795105-009
0.291	-3.901352012-003	0.341	3.520294025-003	0.391	-3.280643492-003	0.441	3.144024577-003	0.491	-3.091406946-003
0.292	-7.402926176-003	0.342	6.684571129-003	0.392	-6.233204499-003	0.442	5.976797948-003	0.492	-5.879710561-003
0.293	-1.016485352-002	0.343	9.184940215-003	0.393	-8.569809902-003	0.443	8.221637565-003	0.493	-8.092127437-003
0.294	-1.192107215-002	0.344	1.077939443-002	0.394	-1.006341856-002	0.444	9.659668866-003	0.494	-9.512255444-003
0.295	-1.250492916-002	0.345	1.131521713-002	0.395	-1.056987079-002	0.445	1.015115757-002	0.495	-1.000123383-002
0.296	-1.186496629-002	0.346	1.074359330-002	0.396	-1.004179290-002	0.446	9.649081335-003	0.496	-9.511315676-003
0.297	-1.006939661-002	0.347	9.124029701-003	0.397	-8.533017026-003	0.447	8.203624381-003	0.497	-8.090528384-003
0.298	-7.298888860-003	0.348	6.618186430-003	0.398	-6.193105083-003	0.448	5.957165765-003	0.498	-5.877967323-003
0.299	-3.828417700-003	0.349	3.473756535-003	0.399	-3.252532619-003	0.449	3.130261341-003	0.499	-3.090183739-003
0.300	-3.673294190-010	0.350	6.862315341-011	0.400	4.969696316-010	0.450	-1.019544822-009	0.500	1.541047823-009
0.501	3.090186671-003								

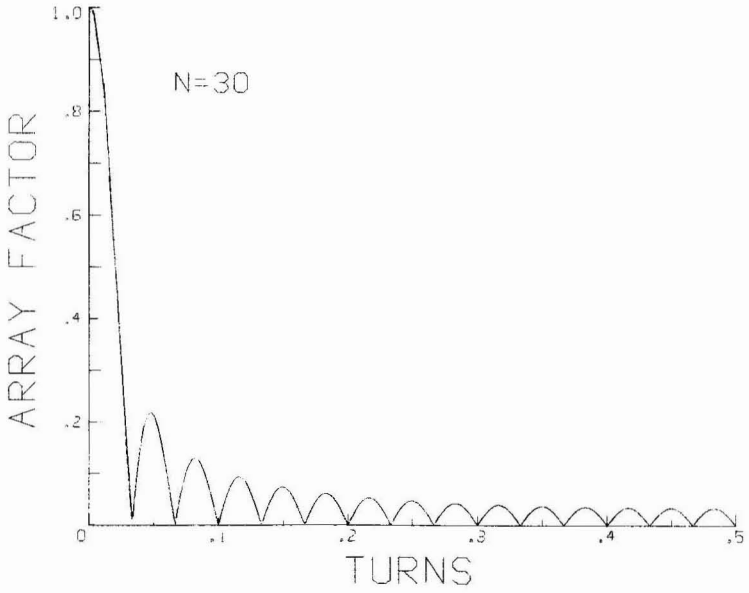

N=25
ARRAY FACTOR
1.0
.8
.6
.4
.2
.2
.3
.4
.5
TURNS

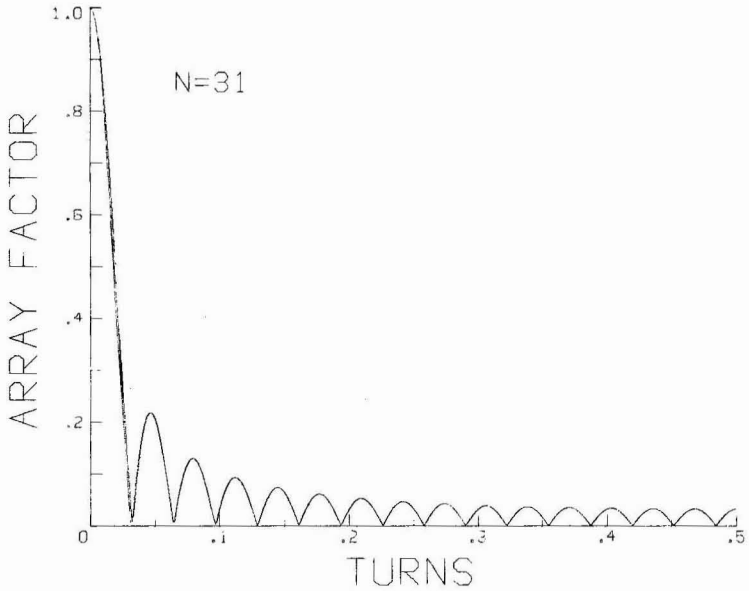

N=26
ARRAY FACTOR
1.0
.8
.6
.4
.2
0
.1
.2
.3
.4
.5
TURNS

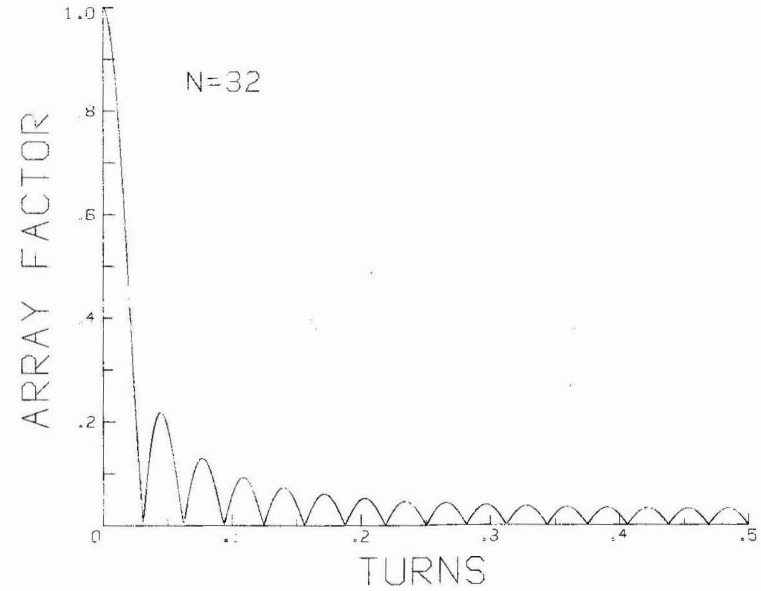

N=27
ARRAY FACTOR
TURNS
1.0
.8
.6
.4
.2
0
.1
.2
.3
.4
.5


N=28
ARRAY FACTOR
TURNS
1.0
.8
.6
.4
.2
0
.1
.2
.3
.4
.5


N=29
ARRAY FACTOR
TURNS
1.0
.8
.6
.4
.2
0
.1
.2
.3
.4
.5


N=30
ARRAY FACTOR
TURNS
1.0
.8
.6
.4
.2
0
.1
.2
.3
.4
.5


N=31
ARRAY FACTOR
1.0
.8
.6
.4
.2
0
.1
.2
.3
.4
.5
TURNS


N=32
ARRAY FACTOR
1.0
.6
.4
.2
0
.2
.3
.4
.5
TURNS