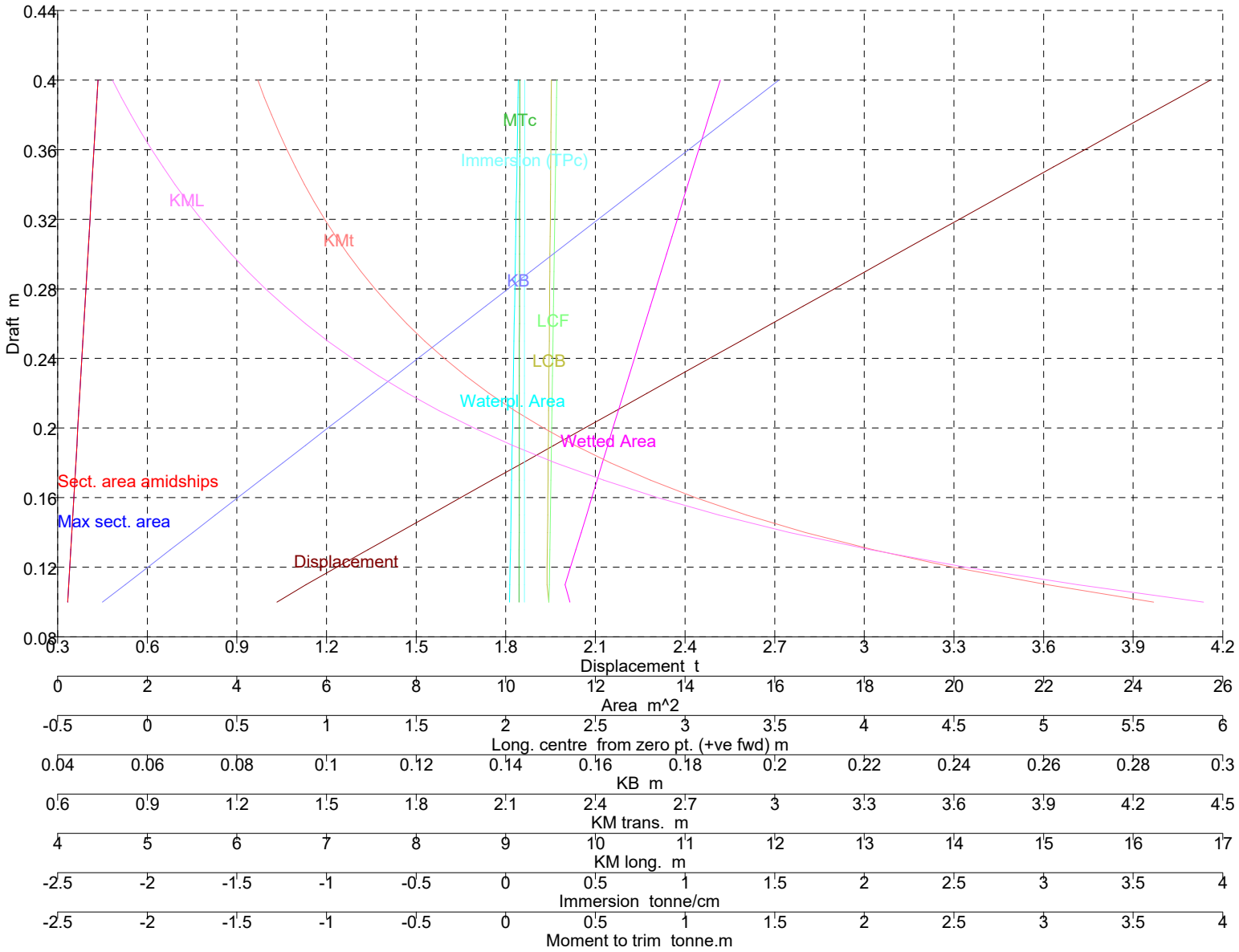
YAT CAR

Stabilite Hesapları

	Draft Amidships m	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190
1	Displacement t	1.034	1.131	1.235	1.338	1.442	1.546	1.649	1.753	1.857	1.961
2	Heel deg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Draft at FP m	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190
4	Draft at AP m	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190
5	Draft at LCF m	0.100	0.110	0.120	0.130	0.140	0.150	0.160	0.170	0.180	0.190
6	Trim (+ve by stern) m	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	WL Length m	4.482	4.485	4.488	4.491	4.494	4.497	4.499	4.502	4.505	4.508
8	Beam max extents on WL m	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250
9	Wetted Area m^2	11.429	11.321	11.442	11.563	11.683	11.802	11.920	12.038	12.155	12.272
10	Waterpl. Area m^2	10.083	10.091	10.097	10.104	10.111	10.117	10.124	10.130	10.137	10.143
11	Prismatic coeff. (Cp)	1.000	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.993
12	Block coeff. (Cb)	1.000	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.993
13	Max Sect. area coeff. (Cm)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
14	Waterpl. area coeff. (Cwp)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
15	LCB from zero pt. (+ve fwd) m	2.241	2.230	2.231	2.232	2.233	2.234	2.235	2.236	2.237	2.237
16	LCF from zero pt. (+ve fwd) m	2.241	2.242	2.244	2.245	2.247	2.248	2.250	2.251	2.253	2.254
17	KB m	0.050	0.055	0.060	0.065	0.070	0.075	0.080	0.085	0.090	0.095
18	KG m	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
19	BMt m	4.219	3.857	3.536	3.265	3.032	2.831	2.654	2.499	2.361	2.237
20	BML m	16.735	15.326	14.069	13.006	12.095	11.305	10.615	10.006	9.464	8.980
21	GMt m	4.019	3.663	3.347	3.080	2.852	2.656	2.485	2.334	2.201	2.082
22	GML m	16.535	15.131	13.879	12.821	11.915	11.130	10.445	9.841	9.305	8.825
23	KMt m	4.269	3.913	3.597	3.330	3.102	2.906	2.735	2.584	2.451	2.332
24	KML m	16.785	15.381	14.129	13.071	12.165	11.380	10.695	10.091	9.555	9.075
25	Immersion (TPc) tonne/cm	0.103	0.103	0.103	0.104	0.104	0.104	0.104	0.104	0.104	0.104
26	MTc tonne.m	0.074	0.074	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
27	RM at 1deg = GMt.Disp.sin(1) tonne.m	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.071	0.071	0.071
28	Max deck inclination deg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	Trim angle (+ve by stern) deg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290	0.300	0.310	0.320
1	2.065	2.169	2.273	2.377	2.481	2.586	2.690	2.795	2.899	3.004	3.109	3.213	3.318
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290	0.300	0.310	0.320
4	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290	0.300	0.310	0.320
5	0.200	0.210	0.220	0.230	0.240	0.250	0.260	0.270	0.280	0.290	0.300	0.310	0.320
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	4.511	4.514	4.517	4.520	4.523	4.526	4.529	4.531	4.534	4.537	4.540	4.543	4.546
8	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250
9	12.391	12.510	12.629	12.748	12.868	12.988	13.107	13.227	13.347	13.466	13.586	13.706	13.826
10	10.150	10.156	10.163	10.170	10.176	10.183	10.189	10.196	10.202	10.209	10.215	10.222	10.229
11	0.992	0.992	0.992	0.992	0.991	0.991	0.991	0.990	0.990	0.990	0.990	0.989	0.989
12	0.992	0.992	0.992	0.992	0.991	0.991	0.991	0.990	0.990	0.990	0.990	0.989	0.989
13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
15	2.238	2.239	2.240	2.241	2.242	2.243	2.243	2.244	2.245	2.246	2.247	2.247	2.248
16	2.256	2.257	2.258	2.260	2.261	2.263	2.264	2.266	2.267	2.269	2.270	2.272	2.273
17	0.100	0.105	0.110	0.115	0.120	0.125	0.130	0.135	0.141	0.146	0.151	0.156	0.161
18	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
19	2.126	2.025	1.933	1.850	1.773	1.703	1.638	1.578	1.522	1.470	1.421	1.376	1.333
20	8.544	8.150	7.792	7.465	7.165	6.889	6.635	6.399	6.180	5.976	5.786	5.608	5.442
21	1.976	1.880	1.794	1.715	1.644	1.578	1.518	1.463	1.412	1.365	1.322	1.281	1.244
22	8.395	8.006	7.652	7.330	7.035	6.765	6.515	6.284	6.071	5.872	5.687	5.514	5.352
23	2.226	2.130	2.044	1.965	1.894	1.828	1.768	1.713	1.662	1.615	1.572	1.531	1.494
24	8.645	8.256	7.902	7.580	7.285	7.015	6.765	6.534	6.321	6.122	5.937	5.764	5.602
25	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.105	0.105	0.105	0.105	0.105	0.105
26	0.075	0.075	0.076	0.076	0.076	0.076	0.076	0.076	0.077	0.077	0.077	0.077	0.077
27	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.072	0.072	0.072	0.072
28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

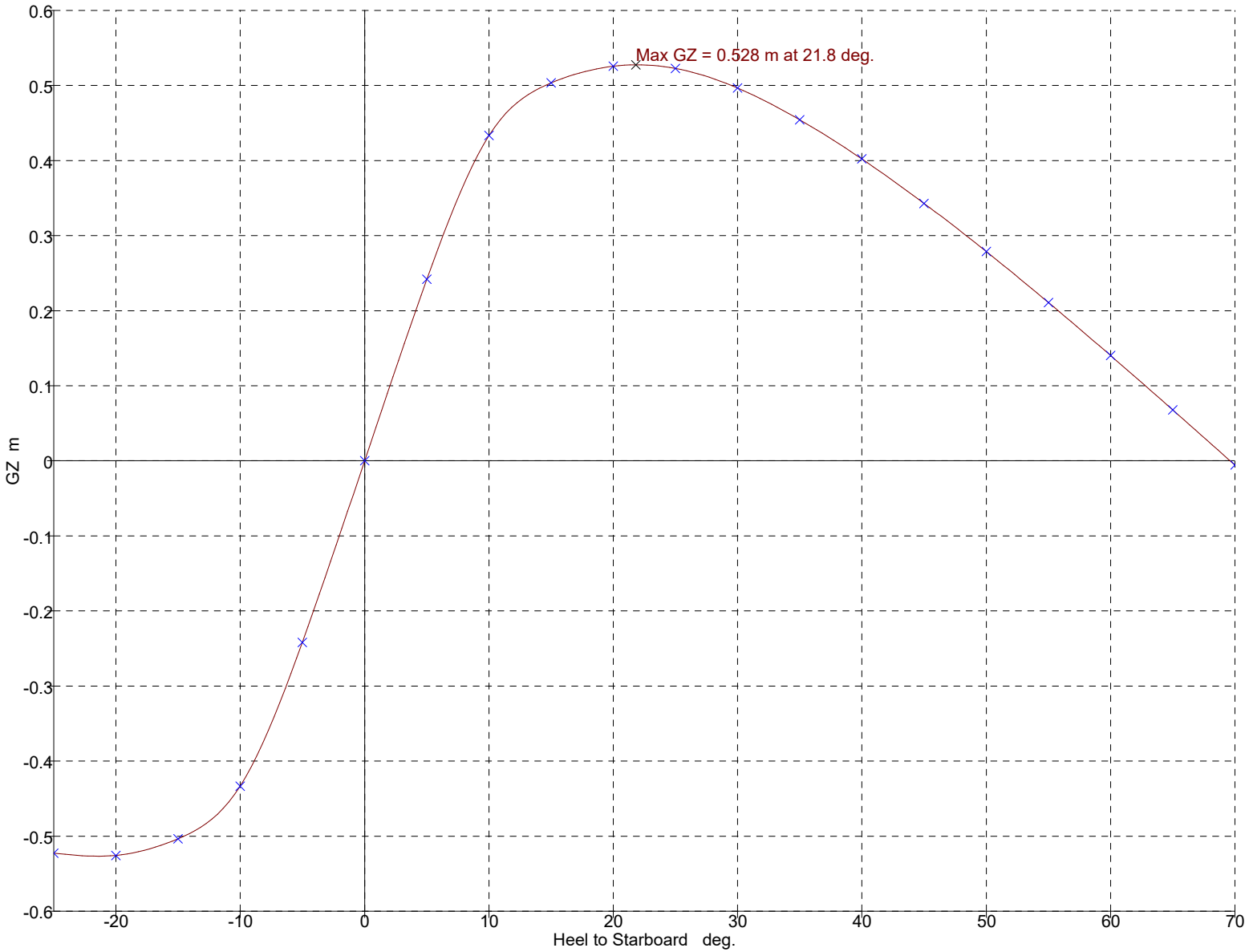
	0.330	0.340	0.350	0.360	0.370	0.380	0.390	0.400
1	3.423	3.528	3.633	3.738	3.843	3.948	4.054	4.159
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.330	0.340	0.350	0.360	0.370	0.380	0.390	0.400
4	0.330	0.340	0.350	0.360	0.370	0.380	0.390	0.400
5	0.330	0.340	0.350	0.360	0.370	0.380	0.390	0.400
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	4.549	4.552	4.555	4.558	4.561	4.564	4.566	4.569
8	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250
9	13.946	14.066	14.186	14.306	14.427	14.547	14.667	14.788
10	10.235	10.242	10.248	10.255	10.261	10.268	10.274	10.281
11	0.989	0.988	0.988	0.988	0.988	0.987	0.987	0.987
12	0.989	0.988	0.988	0.988	0.988	0.987	0.987	0.987
13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
15	2.249	2.250	2.250	2.251	2.252	2.253	2.254	2.254
16	2.274	2.276	2.277	2.279	2.280	2.282	2.283	2.285
17	0.166	0.171	0.176	0.181	0.186	0.191	0.196	0.201
18	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
19	1.293	1.255	1.220	1.186	1.155	1.125	1.096	1.069
20	5.285	5.138	4.999	4.868	4.744	4.626	4.515	4.409
21	1.209	1.176	1.146	1.117	1.090	1.065	1.042	1.020
22	5.201	5.058	4.925	4.798	4.679	4.567	4.460	4.360
23	1.459	1.426	1.396	1.367	1.340	1.315	1.292	1.270
24	5.451	5.308	5.175	5.048	4.929	4.817	4.710	4.610
25	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
26	0.077	0.078	0.078	0.078	0.078	0.078	0.079	0.079
27	0.072	0.072	0.073	0.073	0.073	0.073	0.074	0.074
28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000


Draft m
0.44
0.4
0.36
0.32
0.28
0.24
0.2
0.16
0.12
0.08
MTc
Immersion (TPc)
KML
KMt
KB
LCF
LCB
Waterpl. Area
Wetted Area
Sect. area amidships
Max sect. area
Displacement
0.3 0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3 3.3 3.6 3.9 4.2
Displacement t
0 2 4 6 8 10 12 14 16 18 20 22 24 26
Area m^2
-0.5 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5 6
Long. centre from zero pt. (+ve fwd) m
0.04 0.06 0.08 0.1 0.12 0.14 0.16 0.18 0.2 0.22 0.24 0.26 0.28 0.3
KB m
0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3 3.3 3.6 3.9 4.2 4.5
KM trans. m
4 5 6 7 8 9 10 11 12 13 14 15 16 17
KM long. m
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5 3 3.5 4
Immersion tonne/cm
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5 3 3.5 4
Moment to trim tonne.m

Graph View

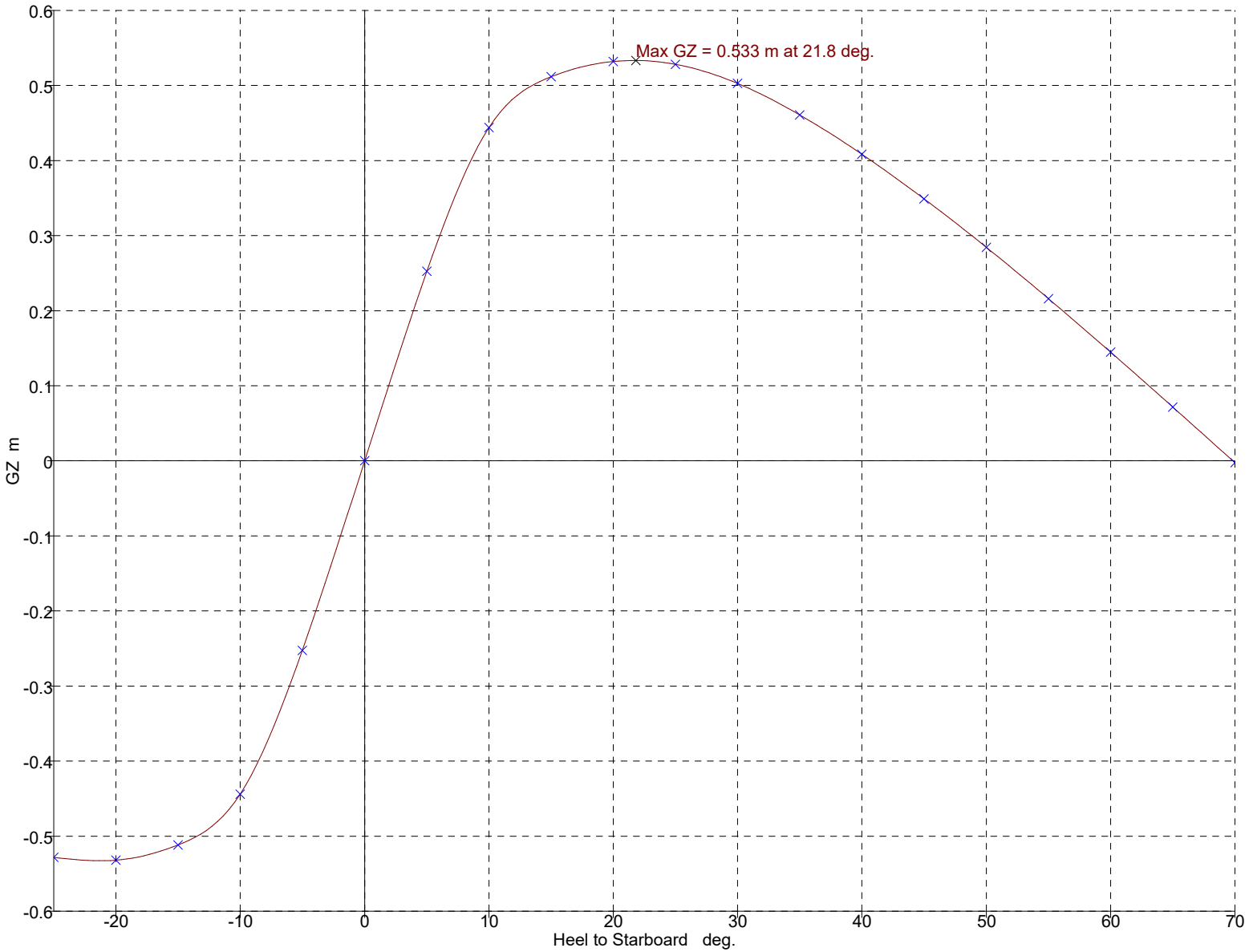
	Heel to Starboard deg	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0
1	GZ m	-0.523	-0.526	-0.504	-0.433	-0.242	0.000	0.242	0.433	0.504
2	Area under GZ curve from zero heel m.deg	9.9342	7.3065	4.7223	2.3409	0.6115	0.0000	0.6115	2.3409	4.7226
3	Displacement t	1.347	1.347	1.347	1.347	1.347	1.347	1.347	1.347	1.347
4	Draft at FP m	-0.003	0.052	0.094	0.123	0.130	0.131	0.130	0.123	0.094
5	Draft at AP m	0.017	0.067	0.107	0.132	0.137	0.137	0.137	0.132	0.107
6	WL Length m	4.599	4.583	4.565	4.544	4.518	4.489	4.518	4.544	4.565
7	Beam max extents on WL m	1.195	1.394	1.578	1.904	2.259	2.250	2.259	1.904	1.578
8	Wetted Area m^2	7.829	8.117	8.756	9.953	11.571	11.581	11.571	9.953	8.756
9	Waterpl. Area m^2	5.407	6.090	6.895	8.324	10.131	10.101	10.131	8.324	6.895
10	Prismatic coeff. (Cp)	0.912	0.918	0.925	0.933	0.943	0.952	0.943	0.933	0.925
11	Block coeff. (Cb)	0.487	0.459	0.463	0.467	0.549	0.952	0.549	0.467	0.462
12	LCB from zero pt. (+ve fwd) m	2.195	2.196	2.197	2.198	2.199	2.199	2.199	2.198	2.197
13	LCF from zero pt. (+ve fwd) m	2.261	2.232	2.230	2.227	2.243	2.245	2.243	2.227	2.230
14	Max deck inclination deg	25.0039	20.0033	15.0030	10.0025	5.0027	0.1469	5.0027	10.0025	15.0030
15	Trim angle (+ve by stern) deg	0.5018	0.3969	0.3136	0.2299	0.1637	0.1469	0.1638	0.2300	0.3141

	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
1	0.526	0.523	0.497	0.454	0.402	0.343	0.279	0.211	0.140	0.068	-0.006
2	7.3057	9.9372	12.4941	14.8769	17.0218	18.8872	20.4434	21.6687	22.5472	23.0678	23.2233
3	1.347	1.347	1.347	1.347	1.347	1.347	1.347	1.347	1.347	1.347	1.347
4	0.052	-0.003	-0.064	-0.132	-0.208	-0.297	-0.403	-0.533	-0.700	-0.928	-1.260
5	0.067	0.017	-0.037	-0.097	-0.165	-0.242	-0.334	-0.448	-0.594	-0.792	-1.081
6	4.583	4.599	4.600	4.600	4.600	4.601	4.601	4.601	4.601	4.601	4.602
7	1.395	1.195	1.021	0.932	0.855	0.786	0.722	0.660	0.600	0.557	0.538
8	8.117	7.829	7.839	7.848	7.854	7.859	7.865	7.869	7.873	7.876	7.879
9	6.090	5.407	4.571	3.985	3.556	3.233	2.984	2.790	2.639	2.522	2.432
10	0.918	0.912	0.908	0.904	0.901	0.897	0.894	0.891	0.888	0.886	0.884
11	0.459	0.487	0.528	0.542	0.560	0.582	0.612	0.651	0.703	0.748	0.773
12	2.196	2.195	2.193	2.191	2.189	2.186	2.184	2.182	2.180	2.178	2.176
13	2.232	2.262	2.262	2.262	2.261	2.260	2.260	2.258	2.257	2.255	2.253
14	20.0034	25.0039	30.0050	35.0062	40.0072	45.0081	50.0087	55.0090	60.0089	65.0084	70.0074
15	0.3981	0.5005	0.6658	0.8583	1.0857	1.3636	1.6982	2.1171	2.6582	3.3902	4.4468


Max GZ = 0.528 m at 21.8 deg.
GZ m
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-20
-10
0
10
20
30
40
50
60
70
Heel to Starboard deg.

	Heel to Starboard deg	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0
1	GZ m	-0.528	-0.532	-0.512	-0.444	-0.252	0.000	0.252	0.444	0.512
2	Area under GZ curve from zero heel m.deg	10.1338	7.4766	4.8563	2.4275	0.6412	0.0000	0.6412	2.4274	4.8565
3	Displacement t	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297
4	Draft at FP m	-0.013	0.043	0.087	0.117	0.126	0.126	0.126	0.117	0.087
5	Draft at AP m	0.006	0.058	0.099	0.126	0.132	0.131	0.132	0.126	0.099
6	WL Length m	4.596	4.580	4.563	4.542	4.516	4.488	4.516	4.542	4.563
7	Beam max extents on WL m	1.195	1.368	1.548	1.868	2.259	2.250	2.259	1.868	1.548
8	Wetted Area m^2	7.631	7.958	8.585	9.760	11.512	11.523	11.512	9.760	8.585
9	Waterpl. Area m^2	5.386	5.974	6.765	8.167	10.127	10.098	10.127	8.167	6.765
10	Prismatic coeff. (Cp)	0.912	0.919	0.926	0.934	0.944	0.953	0.944	0.934	0.926
11	Block coeff. (Cb)	0.478	0.459	0.463	0.467	0.541	0.953	0.541	0.467	0.463
12	LCB from zero pt. (+ve fwd) m	2.195	2.196	2.197	2.198	2.199	2.199	2.199	2.198	2.197
13	LCF from zero pt. (+ve fwd) m	2.255	2.232	2.229	2.226	2.242	2.244	2.242	2.226	2.229
14	Max deck inclination deg	25.0035	20.0032	15.0028	10.0024	5.0024	0.1391	5.0024	10.0024	15.0028
15	Trim angle (+ve by stern) deg	0.4791	0.3858	0.3051	0.2238	0.1560	0.1391	0.1561	0.2227	0.3055

	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
1	0.532	0.528	0.503	0.461	0.409	0.349	0.284	0.216	0.145	0.072	-0.003
2	7.4758	10.1364	12.7221	15.1367	17.3136	19.2101	20.7957	22.0480	22.9508	23.4924	23.6654
3	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297
4	0.043	-0.013	-0.076	-0.147	-0.226	-0.318	-0.428	-0.563	-0.737	-0.973	-1.319
5	0.058	0.006	-0.051	-0.114	-0.185	-0.266	-0.363	-0.482	-0.636	-0.844	-1.148
6	4.580	4.596	4.600	4.600	4.600	4.601	4.601	4.601	4.601	4.601	4.601
7	1.368	1.195	1.038	0.947	0.870	0.800	0.734	0.671	0.609	0.557	0.538
8	7.958	7.631	7.631	7.640	7.646	7.652	7.657	7.661	7.665	7.668	7.671
9	5.974	5.386	4.571	3.985	3.556	3.233	2.984	2.790	2.639	2.522	2.432
10	0.919	0.913	0.908	0.905	0.901	0.898	0.895	0.892	0.889	0.887	0.885
11	0.459	0.479	0.511	0.526	0.544	0.566	0.596	0.636	0.688	0.744	0.770
12	2.196	2.195	2.193	2.191	2.189	2.187	2.184	2.182	2.180	2.179	2.177
13	2.232	2.255	2.262	2.262	2.261	2.260	2.260	2.258	2.257	2.255	2.253
14	20.0032	25.0035	30.0046	35.0056	40.0065	45.0074	50.0079	55.0082	60.0081	65.0076	70.0067
15	0.3870	0.4775	0.6341	0.8178	1.0347	1.2999	1.6183	2.0169	2.5316	3.2276	4.2337


Max GZ = 0.533 m at 21.8 deg.
GZ m
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-20
-10
0
10
20
30
40
50
60
70
Heel to Starboard deg.