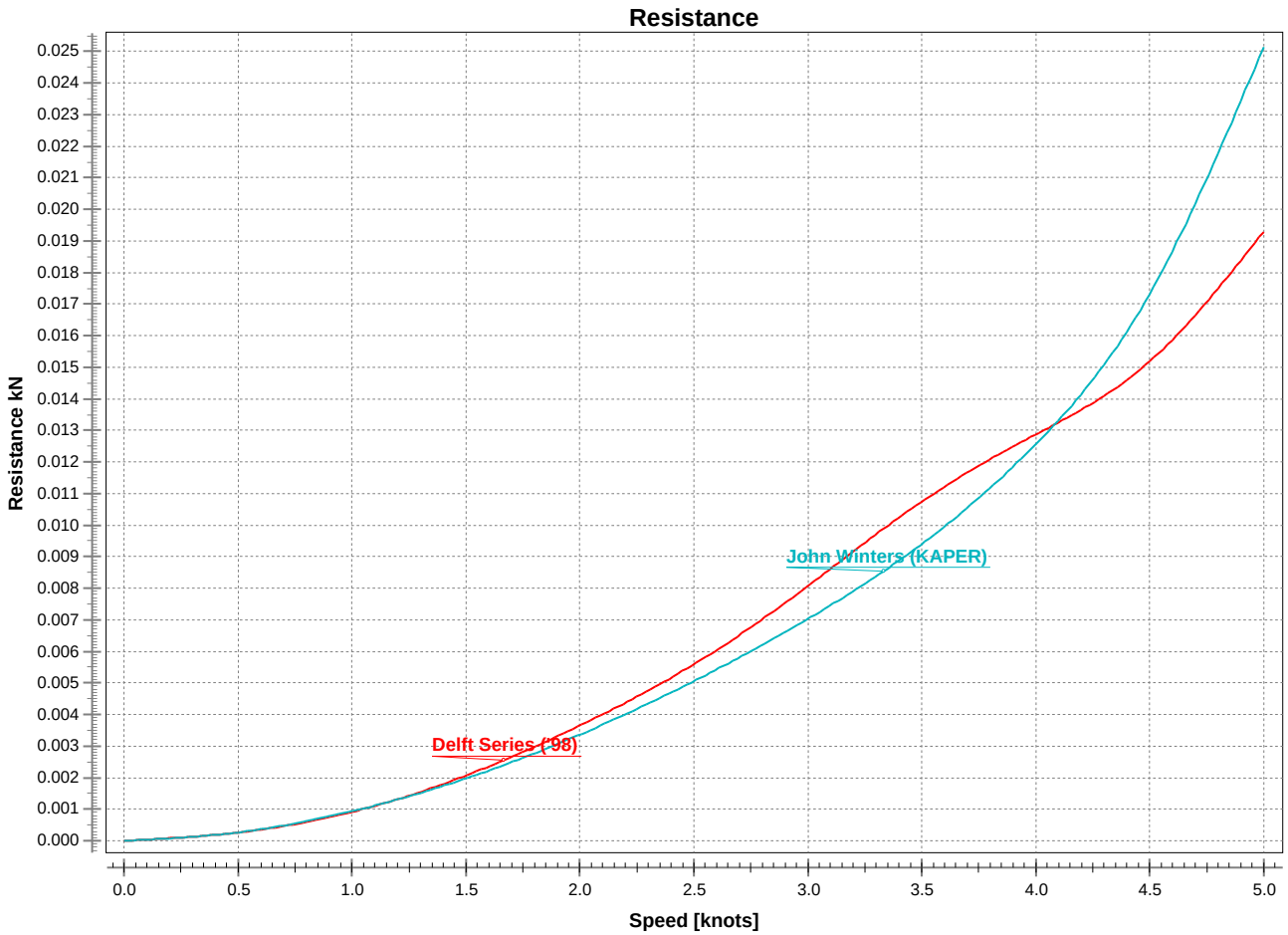
Resistance calculations.

Delft Series ('98).

Resistance according to Delft Series ('98)						
Speed	Speed	Froude number	Frictional resistance	Residual resistance	Total resistance	Effective power
(kn.)	(m/s)		kN	kN	kN	(kW)
0.00	0.000	0.000	0.0000	0.0000	0.0000	0.000
0.50	0.257	0.045	0.0003	0.0000	0.0003	0.000
1.00	0.514	0.090	0.0009	0.0000	0.0009	0.000
1.50	0.772	0.135	0.0019	0.0002	0.0021	0.002
2.00	1.029	0.180	0.0032	0.0005	0.0037	0.004
2.50	1.286	0.224	0.0048	0.0008	0.0056	0.007
3.00	1.543	0.269	0.0067	0.0014	0.0081	0.012
3.50	1.801	0.314	0.0088	0.0019	0.0107	0.019
4.00	2.058	0.359	0.0113	0.0016	0.0129	0.026
4.50	2.315	0.404	0.0140	0.0012	0.0152	0.035
5.00	2.572	0.449	0.0169	0.0024	0.0193	0.050

John Winters (KAPER).

Resistance according to John Winters (KAPER)					
Speed	Speed	Froude number	Frictional resistance	Residual resistance	Total resistance
(kn.)	(m/s)		kN	kN	kN
0.00	0.000	0.000	0.0000	0.0000	0.0000
0.50	0.257	0.038	0.0003	0.0000	0.0003
1.00	0.514	0.075	0.0009	0.0000	0.0009
1.50	0.772	0.113	0.0019	0.0001	0.0020
2.00	1.029	0.150	0.0032	0.0002	0.0034
2.50	1.286	0.188	0.0048	0.0003	0.0051
3.00	1.543	0.225	0.0067	0.0004	0.0070
3.50	1.801	0.263	0.0088	0.0006	0.0094
4.00	2.058	0.300	0.0113	0.0013	0.0126
4.50	2.315	0.338	0.0140	0.0034	0.0173
5.00	2.572	0.376	0.0169	0.0082	0.0251


Resistance
Resistance kN
0.025
0.024
0.023
0.022
0.021
0.020
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.010
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
Speed [knots]
John Winters (KAPER)
Delft Series ('98)