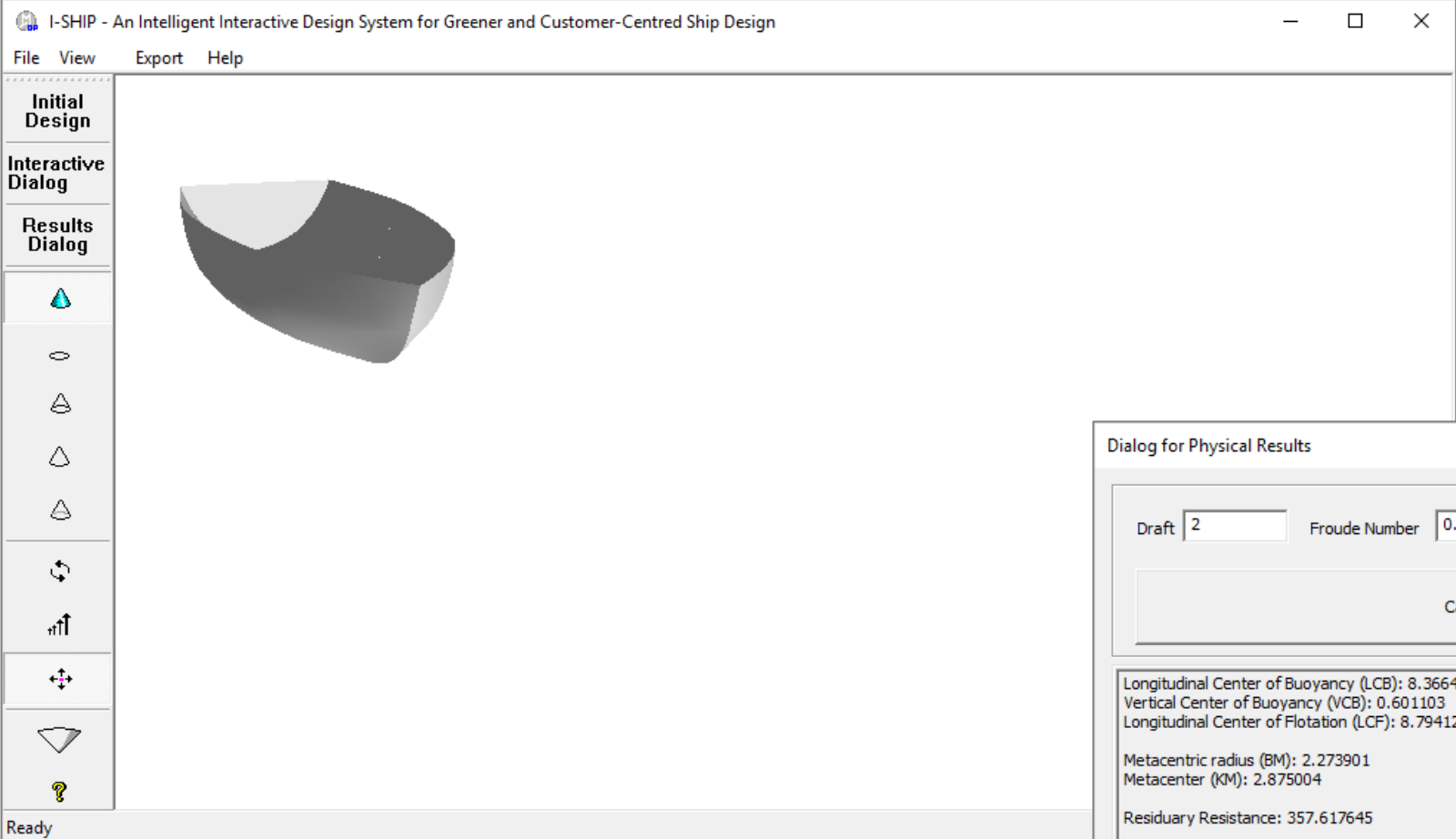




Dialog for Physical Results

Draft Froude Number

Longitudinal Center of Buoyancy (LCB): 8.366486
Vertical Center of Buoyancy (VCB): 0.601103
Longitudinal Center of Flotation (LCF): 8.794127

Metacentric radius (BM): 2.273901
Metacenter (KM): 2.875004

Residuary Resistance: 357.617645

LCB/LWL: 0.526736
 $V^{(2/3)}/A_{wp}$: 0.245442
BWL/LWL: 0.380163
LCB/LCF: 0.951372
 $V^{(1/3)}/LWL$: 0.252865
BWL/T: 3.019182

Design No : 2

Hydrostatic Results at $T = 2.00$ | $F_n = 0.20$ Beam at Waterline (BWL): 6.30
Waterline Length (LWL): 16.84
Waterplane Area (A_w): 71.82
Maximum Station Area (A_x): 7.85
Wetted Surface Area: 87.00
Submerge Volume (V): 68.74

Prismatic coefficient (C_p): 0.520227
Block coefficient (C_b): 0.324140
Waterplane coefficient (C_w): 0.677308

Dialog for Interactive Design

Interactive Design

Total Number of Designs

Index of Selected Design(s)

Design Space Refinement

☒ Shrink ☐ Expand Shrink/Expand Rate

Design Constraints

Select Variable Greater than Less than

LOGS

Interaction -> 02
Percentage of Design Space Shrunk -> 34.657359
Design Selected in Previous Interaction -> 2

Dialog For Setting Design Space

Geometric Parameters

	Lower Bounds	Upper Bounds		Lower Bounds	Upper Bounds
☒ Length of ER	5	8	☒ Depth of ER	2.3	4.3
☒ Length of MR	4	10	☒ Depth of MR	2.2	4.2
☒ Length of RR	2	6	☒ Depth of RR	1.7	3
☒ Beam of ER	5	7	☒ Entrance Angle	30	90
☒ Beam of MR	5.4	7.4	☒ Bow Angle	30	100
☒ Beam of RR	3.4	5.4	☒ Sheer Angle	0	3