GHS Software
General HydroStatics is a software program to design and evaluate all types of ships and floating structures. **As a benefit of membership, SNAME members are entitled to a 1-month trial subscription to use the GHS Software.**

GHS addresses flotation, trim, stability and strength by calculating the forces involved using mathematical/geometrical models of the vessels. GHS handle ship hulls, but also anything that floats, or contains liquid, or both.

GHS analyzes and/or designs submarines, SWATHs, dry docks, drilling platforms, sailboats, freighters, floating bridges, etc. GHS addresses simple and complex stability issues including intermediate stages of flooding, spilling of cargo, and optimizing against complex stability criteria. GHS helps to reduce a common source of errors with its macro commands reducing repetition within input data.

GHS is straightforward with Damage stability that happens with loaded, or empty tanks, with and without damage, is all taken care of automatically. Heeling moments from the wind plane and other sources are available, as are several kinds of waves. GHS has few restrictions; and heel and trim are unlimited which is great for salvage work. One can change the heeling axis; heel on a diagonal, or do a fore-and-aft righting arm curve.

GHS provides facilities for its own extension and expansion to create new features and procedures, in building and designing: Macro Commands, Menu Systems, Templates, File Interfaces, and Programming Interfaces. Click here for more information. (link to GHS Software Information PDF).

Please click here to take advantage of this offer and get started on your 1-month trial with the GHS software (http://www.ghsport.com/support/GHSSnameMembership/index.htm).