

Ship Structural Analysis And Design Hughes

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important differences between performing a design and completing an analysis. Analysis refers to stress and strength assessment of the structure. Analysis requires information on loads and needs an initial structural scantling design. Output of the structural analysis is the structural response defined in terms of stresses, deflections and ...

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ship structural design process, it is necessary to outline briefly the present nature of the process, and the environment in which it operates. The process of overall ship design is an iterative one, proceeding cyclically to resolve the conflicts among the many systems which comprise the ship, each of which has its own separate

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This is a major difficulty of this approach. 18.2.2 Modeling and Analysis General guidance on the modeling necessary for the structural analysis is that the structural model shall provide results suitable for performing buckling, yield, fatigue and Chapter 18: Analysis and Design of Ship Structure 18-3 Figure 18.1 Direct Structural ...

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