

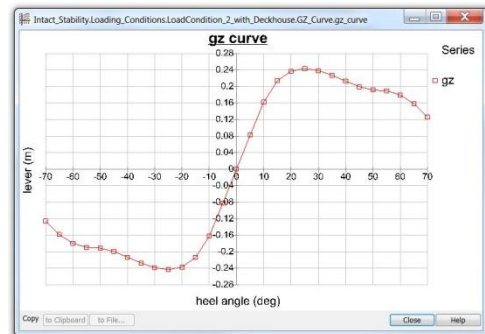
Ship stability is one of, if not the most, critical safety issues facing the Ship Operator. Masters require accurate and clear guidance if serious incidents are to be avoided.

Keel Marine have been producing high quality, clear, concise Stability Data for all types of vessels since our inception. From the execution of Inclining Experiments, Trim & Stability Calculations, production of Ship Stability Booklets through to Casualty, Salvage and Expert Witness Evidence our team of Naval Architects can cover all your Ship Stability Requirements.



Stability Analysis Capabilities:-

- Execution of Inclining Experiments
- Production of Hydrostatic & Cross Curve Data
- Assessment of Intact Stability Cases
- Assessment of Damage Stability Cases (Deterministic & Probabilistic)
- Determination of VCG limits
- Assessment of Downflooding & Deck Edge Immersion
- Assessment of Overside Lifting & Crane Slewing effects
- Assessment of Weather Criteria
- Assessment of Passenger Crowding Effects
- Cross-flooding analysis
- Floodable length assessments
- Docking analysis
- Launching analysis
- Grounding analysis
- Dredger "Spillout" calculations
- Bulk Carrier "Grain" calculations
- Analysis of Loading Conditions against Statutory & Classification Society Requirements
- Production of Stability Books to Statutory & Classification Society Requirements
- Buoyant Manipulation of Jackets and Gates



Stability analysis is typically carried out using either the Paramarine suite of Naval Architecture software or Keel Marine's in-house developed programs allowing us maximum flexibility in our approach.