

Ship Stability: Notes and Examples (Kemp & Young)

By Bryan Barrass

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The third edition of 'Ship Stability: Notes and Examples' has been updated by Dr C B Barrass, who has wide experience in both industry and the academic field. The book has been thoroughly revised and expanded to be more in line with current examinations, and now covers topics such as ship squat, angle of heel whilst turning, and moments of inertia via Simpson's Rules. Also included is a diagram showing Deadweight-Moment.

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Editorial Review

Review

"Ship Stability: Notes and Examples will be an invaluable text for those students studying the subject for the first time. It should also prove to be a useful reference tool to seagoing personnel and shore-based staff involved in ship handling." **--Nicola Pryce-Roberts, MSc Maritime Operations Programme Leader, Liverpool John Moores University, June 2003**

"By revising the classic Kemp and Young book, Dr Barass has brought to marine students valuable material in the ship stability domain... the author succeeds in transforming the old stability notebook into a very good self-study book that includes good explanations with very clear sketches, so that anyody can do it himself." **--Captain Eli D Shiran, Seaways Journal, June 2002**

"Those who have found (Ship Stability for Masters and Mates) helpful will also find the present publication useful. For each topic covered, Dr Barrass sets out the basic theory involved and then illustrates this with numerous worked examples." **--E C Tupper, The Naval Architect, May 2001**

"..an introduction to the topic covered that will be suitable and useful for both those who are newly at sea, and those whose practical experience is limited to narrow areas and wish to expand their knowledge." **-- Maritime Journal, March 2001**

About the Author
Dr Bryan Barrass worked as a Ship Draughtsman for 11 years at Swan Hunters Shipyard in Wallsend. In 1963, he then became a Lecturer in Naval Architecture in Sunderland. From 1967 to 1993, he worked at Liverpool John Moores University, lecturing to Maritime Degree students, Masters, Mates, and Marine Engineers.

In 1993 he retired from full-time work. He became a visiting Lecturer and has written seven books involving Ship Stability, Ship Design & Ship Performance and Ship Squat & Interaction. His interest in Ship Squat began in April 1972, starting on research for his Ph.D. degree.

He has worked with many national & international Port Authorities. They include the PLA, Milford Haven PA, Liverpool PA, Humberside PA, Tyne PA, Truro PA, Newhaven PA, Bordeaux PA, Klaipeda PA, Nantes PA and Hamburg PA.

Dr Barrass has supplied Ship Squat and Interaction information to 22 countries worldwide. He has lectured at a great number of UK Universities and has advised many Ship-owners on the above listed Specialist topics.

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