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Hydro-dynamic Response of a Planing Hull

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(13.021) Illustration of some of the tools and concepts of marine hydrodynamics covered in the course, relevant in this case to the design of ships and offshore platform.
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Cambridge University Press\$100.00.

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Marine Hydrodynamics (The MIT Press): Newman, J. N ...

1. Hydrodynamics of Offshore structures - S.K Chakrabarti - 2001
2. Marine hydrodynamics - J.N Newmann - 1977
3. Dynamics of marine vehicles - R. Bhattacharya - 1978
4. Water waves and ship hydrodynamics - R. Timman - 1985
5. Coastal hydrodynamics - J.S. Mani - 2012
References Note:
Essential notes will be given in the class 5.

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University of Southampton, taught by Gabriel Weymouth. The course covers analytical potential flow, boundary layer theory, and numerical methods. The notebooks are used primarily for the numerical portion of the course.

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