

Handbook Of Marine Craft Hydrodynamics And Motion Control

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Handbook of Marine Craft Hydrodynamics and Motion Control ...

a three-part structure covering Modeling of Marine Craft; Guidance, Navigation and Control Systems; and Appendices, providing all the supporting theory in a single resource kinematics, kinetics, hydrostatics, seakeeping and maneuvering theory, and simulation models for marine craft and environmental forces

Lecture Notes: TTK4190 Guidance and Control

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Roger Skjetne Professor of Marine control engineering, ... Thor I. Fossen. Professor, Dept. of Eng. Cybernetics, Norwegian University of Science and Technology. ... Handbook of marine craft hydrodynamics and motion control. TI Fossen. John Wiley & Sons, Ltd, 2011. 2475: 2011:

Introduction - Handbook of Marine Craft Hydrodynamics and ...

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There are excellent texts covering marine hydrodynamics, vessel dynamics, and ship motion control. However, for some time a void has existed in the literature covering the intersection of these related fields, with the exception of specialist texts such as the treatment of high-speed craft control.

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There are excellent texts covering marine hydrodynamics, vessel dynamics, and ship motion control. However, for some time a void has existed in the literature covering the intersection of these related fields, with the exception of specialist texts such as the treatment of high-speed craft control. Contents This book is presented as two volumes.

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Handbook of Marine Craft Hydrodynamics and Motion Control ...

The history of model-based ship control starts with the invention of the gyrocompass in 1908, which allowed for reliable automatic yaw angle feedback. The autopilot or automatic pilot is a device for controlling an aircraft, marine craft or other vehicles without constant human intervention.

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