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| Nota di contenuto | About the Special Issue Editors Preface to "Marine Propulsors", Marine Propulsors Panel Method for Ducted Propellers with Sharp Trailing Edge Duct with Fully Aligned Wake on Blade and Duct Prediction of the Open-Water Performance of Ducted Propellers with a Panel Method Boundary Element Modelling Aspects for the Hydro- Elastic Analysis of Flexible Marine Propellers Experimental Validation of Fluid-Structure Interaction Computations of Flexible Composite Propellers in Open Water Conditions Using BEM-FEM and RANS-FEM Methods Nominal vs. Effective Wake Fields and Their Influence on Propeller Cavitation Performance Prediction of Propeller-Induced Hull Pressure Fluctuations via a Potential-Based Method: Study of the Effects of Different Wake Alignment Methods and of the Rudder Influence of Propulsion Type on the Stratified Near Wake of an Axisymmetric Self-Propelled Body Modelling a Propeller Using Force and Mass Rate Density Fields Numerical Analysis of Azimuth Propulsor Performance in Seaways: Influence of Oblique Inflow and Free Surface. |
| Sommario/riassunto | This book provides an update on the state of the art of hydrodynamic aspects of marine propellers and turbines, covering predictions using numerical and experimental methods, where the numerical methods |

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comprise both potential flow panel methods, Navier-Stokes solvers and mixed methods. Open and ducted propellers, as well as azimuthing thrusters are represented, as well as operation in steady conditions, waves and off-design conditions. The book consists of 16 peerreviewed scientific papers previously published in Journal of Marine Science and Engineering.