



최영명 조교수

조선해양공학과

선박 운동·조종 실험실

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연구분야

Seakeeping and Maneuvering
Marine hydrodynamics & Hydroelasticity
Control of vessels & Auto-pilot

수상

EAISS 2012 Best Presentation Award

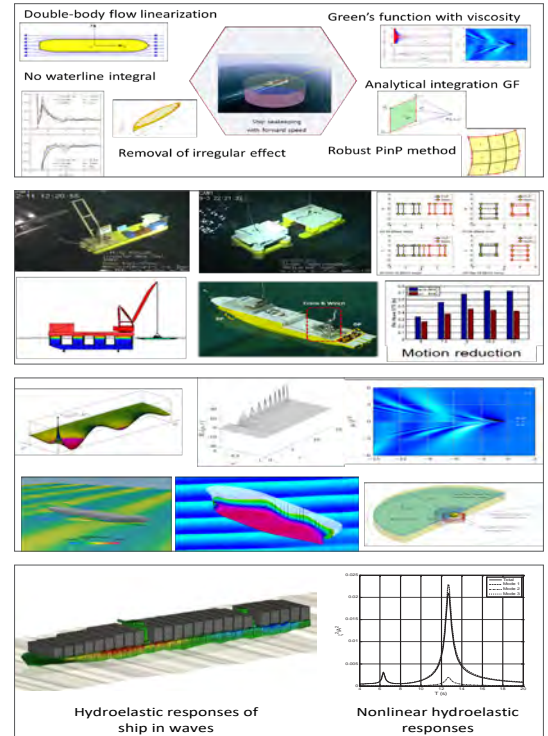
대표연구

- Seakeeping analysis
 - A new BIE based on double-body flow linearization
 - Identification of forward speed effects

- Global performance analysis & Marine Operation
 - Offshore platforms(TLP, Semi-Submersible, FPSO)
 - Marine operation(Installation, Towing, Float-over)

- Marine hydrodynamics
 - Time/Frequency domain Green's function
 - Linear/Nonlinear wave-structure interaction
 - Coupling of viscous and potential flow models

- Hydroelasticity
 - Linear/Nonlinear hydroelastic responses of ships
 - Semi-analytical approaches
 - Hydroelasticity and sloshing effects



주요 연구실적

- "Coupled motion analysis of a tension leg platform with a tender semi-submersible system", Ocean Engineering, Vol 156, No. 15, pp. 224-239, 2018.
- "Performance Evaluation of Active Heave Compensator in Deepwater Installation Operation", Int. Journal of Offshore and Polar Engineering, Vol 28, No. 1, pp. 31-39, 2018.
- "Comparison of existing methods for the calculation of the infinite water depth free-surface Green function for the wave-structure interaction problem", Applied Ocean Research, Vol 81, pp. 150-163, 2018.
- "Performance of different techniques of generation and absorption of free-surface waves in Computational Fluid Dynamics", Ocean Engineering, Vol 214, 107575, 2020.
- WASANO Project, Ecole Centrale de Nantes, Nantes, France, 3 years, 400k Euros(Nonlinear waves, Wave-structure Interaction)

주요 연구과제

학회 활동

- 대한조선학회 정회원