

FPSO Structure Analysis regarding simplified Green Water -RETRACTED by the AUTHOR-

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Abstract

Validate of relevancy of deck plate design of FPSO top side module against simplified green water impact loads so that suggestion of optimizing design is able to given based on the result of analysis.

- Linear analysis of FPSO's deck plate design with finite element method

Modeling of deck plate and related girders & stiffeners

- Probability analysis of green water

Analysis green water spectrum and making a scenario for cases

- Optimizing the FPSO's deck plate design

Depends on the result of analysis, additional analysis may be conducted with changed deck plate thickness or in case deformation value of deck plate is high, analysis with additional stiffener is going to be conducted

Keywords: *Structure Analysis*

Biography

- Working at Offshore Structure design team in Samsung Heavy Industry (present)
- Majored in Maritime engineering in Korea Maritime University (2008)
- Worked at Engineering & Sails team in Hanjin Heavy Industries (2008~2010)
- Master Degree student in Strath Clyde and Busan University (present)