

DNN-based dimension selection for column-stabilized unit

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The critical design parameters that affect the performance of a semi-submersible are geometry, stability, capacity and motion including the air-gap., etc. A design that satisfies these criteria requires a lot of time. Moreover, the design of column-stabilized unit is facing challenge in which an optimum design must be made considering design conditions such as the operating depth and its function. For these reasons, HHI proposes the dimension selection methodology using DNN(Deep Neural Network) and optimization algorithm.

