

عنوان مقاله:

Expansion of Design Static Properties analysis of mooring system for Offshore Floating Wind Turbine

محل انتشار:

پنجمین همایش بین المللی صنایع فراساحل (سال: 1391)

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خلاصه مقاله:

As for all other floating structures operating within a limited area, station keeping is needed in order to keep the motions of the floating structure within permissible limits. In this study, methods for selecting and optimizing the mooring system Caisson for floating wind turbines in shallow water are investigated. The design of the mooring system is checked against the governing rules and standards. Verifying the design of floating structures adequately requires both numerical simulations and model testing, a combination of which is referred to as the hybrid method of design verification. The challenge in direct scaling of moorings for model tests is the depth and spatial limitations in wave basins. It is therefore important to design and build equivalent mooring systems to ensure that the static .(properties (global restoring forces and global stiffness

کلمات کلیدی:

Floating Structure, Caisson, Mooring System, Static Properties

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