Response Analysis of Poseidon P-37 – An Offshore Platform Mounted with Wave Absorbers and Wind Turbines

In this document results from analysis of the measurements data from the floating platform, Poseidon P37 equipped with wave energy absorbers and wind turbines, are presented. When wave absorber activity is little sensitive misalignment as long as the relative angle between waves and platform is less than approximately 50°. The platform primarily aligns with the wind and only the waves when these also aligns with the wind. It was not possible to determine a significant influence of turbine or absorber activity on the platform motion, besides a slight tendency to yaw with the wind depending on turbine activity. A method of producing Response Amplitude Operator-curves have been provided.

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