

ABSTRACT

A real wave moment $M_w(r)$ generated on a ship S due to sea state on a voyage route is estimated based on sea state predicted on the voyage route, and stowage of cargo is planned based on a predicted wave moment $M_w(r)_{pv}$, which is a predicted value of the real wave moment $M_w(r)$, the ship S is navigated while preventing a moment generated on the ship S from exceeding a designated tolerance Ma .