

عنوان مقاله:

Scattering of Flexural Gravity Waves by a Two-Dimensional Thin Plate

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خلاصه مقاله:

An approximate analysis based on standard perturbation technique together with an application of Green's integral theorem is used in this paper to study the problem of scattering of water waves by a two dimensional thin plate submerged in deep ocean with ice cover. The reflection and transmission coefficients upto first order are obtained in terms of the shape function describing the plate and are studied graphically for different shapes of the plate

کلمات کلیدی:

Water wave scattering, Two dimensional thin plate, Nearly vertical plate, Reflection coefficient, Transmission coefficient

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