

عنوان مقاله:

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محل انتشار:

سومین همایش بین المللی سواحل، بنادر و سازه های دریایی (سال: 1377)

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نویسنده:

Anwar - MIXING PROCESS AND TRANSPORT OF POLLUTANT IN COASTAL WATER

خلاصه مقاله:

Numerical modellings have been widely used to predict the turbulent mixing and turbulent transport of pollutant in coastal waters. Numerical modellings are usually restricted to model sizes, hence it is impossible to include all factors which can influence the turbulent mixing. It has been observed in many cases that the calculated data differ considerably from those obtained experimentally and the aim of the present paper is to demonstrate this disagreement, by conducting a series of field measurements in the east coastal waters of England. A solution of fluorescein dye was poured onto the water surface at two sites. The development of the dye patches and its mixing were determined by sampling the dye concentration at 1m below the water surface at regular intervals. In addition the mean velocity profiles were measured at hourly intervals. The results disclose that these profiles are logarithmic, irrespective of the state of tidal currents.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/33384>

