

## عنوان مقاله:

ESTIMATION OF VORTEX SHEDDING FREQUENCY AROUND PIPELINES VIA MULTI-RESOLUTION METHOD

## محل انتشار:

دوازدهمین همایش بین المللی سواحل، بنادر و سازه های دریایی (سال: 1395)

تعداد صفحات اصل مقاله: 2

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## خلاصه مقاله:

The vortex shedding from pipelines free span induces alternate hydrodynamic forces on the pipeline. The frequency of vortex shedding is of great importance in view of resonance phenomenon. Vortex shedding in oscillatory flows is more complicated because the near cylinder flow field has to rebuild itself twice per complete cycle as the velocity reverses direction. In this paper, vortex shedding in oscillatory flow has been studied via multi-resolution method in which wavelet transform has been applied on the lift forces to reveal vortex shedding in simultaneous time-frequency domain.

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/814884>

