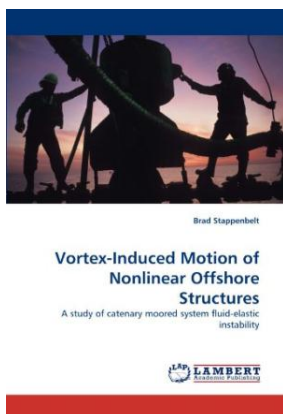


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## VORTEX-INDUCED MOTION OF NONLINEAR OFFSHORE STRUCTURES



LAP Lambert Acad. Publ. Jun 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x12 mm. Neuware - Mooring systems employed for floating offshore structures commonly produce nonlinear load- excursion characteristics. The nonlinear compliance and the consequent amplitude-dependent natural frequency, influence the vortex-induced motion of the structure. Linear stiffness modelling of catenary moored structure response has been shown to produce significant uncertainties regarding the onset and severity of flow-induced vibrations. Little guidance regarding this problem is available in the academic literature or offshore...

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- Authored by Brad Stappenbelt
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