



## Influence of cross-sectional configuration on Kármán vortex excitation

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Three cylindrical bodies with di®erent cross{sectional con gurations, i.e. a circular, semi-circular and triangular cylinder, are used a s the test cylinders, in order to investigate the in uence of movement of the separation point on the K $\P$ arm $\P$ an vortex excitation. The cylinder s were supported elastically by plate springs. The synchronization of K $\P$ arm $\P$ an vortex shedding occurs on all three cylinders over almost equ al ranges of oscillation amplitude and frequency given by the mechanical oscillator. However, the K $\P$ arm $\P$ an vortex excitation behavior di $\P$ er s drastically among the three cylinders in spite of the fact that the cylinders are supported elastically with virtually equal structure parameters. Pelastically Per P

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