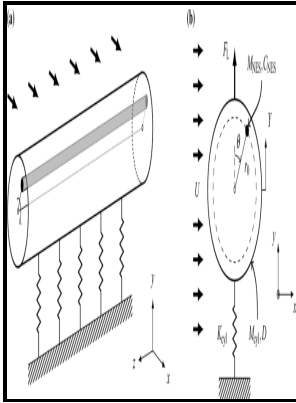


Three-dimensional flow past a rapidly rotating circular cylinder

Institute for Computer Applications in Science and Engineering - Three



Description: -

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Three dimensional flow

Rotating cylinderthree-dimensional flow past a rapidly rotating circular cylinder

-three-dimensional flow past a rapidly rotating circular cylinder

Notes: Includes bibliographical references: p. 14.

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The flow past a circular cylinder in a rotating frame

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Numerical Study of the Laminar Flow Past a Rotating Square Cylinder at Low Spinning Rates

However, significant differences can be seen at higher rotation. The rotating circular cylinder also shows likewise degeneration of Kármán VS at some critical rotational speed. The non-dimensional rotation rate, α is employed upto a maximum value of 5.

Large

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Numerical Study of the Laminar Flow Past a Rotating Square Cylinder at Low Spinning Rates

Uniform heat flux UHF and constant wall temperature CWT boundary conditions have been considered, separately, for the range of afore mentioned parameters.

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