## Accepted Manuscript

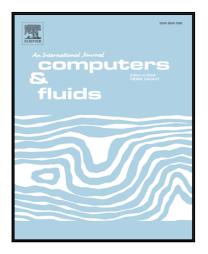
Large-eddy simulations of the vortex-induced vibration of a low mass ratio two-degree-of-freedom circular cylinder at subcritical Reynolds numbers

D. Pastrana, J.C. Cajas, O. Lehmkuhl, I. Rodríguez, G. Houzeaux

 PII:
 S0045-7930(18)30114-2

 DOI:
 10.1016/j.compfluid.2018.03.016

 Reference:
 CAF 3777



To appear in: *Computers and Fluids* 

Received date:9 February 2017Revised date:8 February 2018Accepted date:1 March 2018

Please cite this article as: D. Pastrana, J.C. Cajas, O. Lehmkuhl, I. Rodríguez, G. Houzeaux, Large-eddy simulations of the vortex-induced vibration of a low mass ratio two-degree-of-freedom circular cylinder at subcritical Reynolds numbers, *Computers and Fluids* (2018), doi: 10.1016/j.compfluid.2018.03.016

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## Highlights

- Detailed letter for the reviewer
- High-fidelity (LES) study of a 2dof VIV of a low mass ratio circular cylinder is presented
- A low-dissipative spatial and temporal discretization has been used
- Numerical results are extensibly compared with available experimental and numerical data
- Significant improvements respect to previous high-fidelity numerical simulations are done
- Transition between SU branch and L branch is explored

A CERTIFIC MARKES

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