

In refereed international journals:

32. Himalaya Sarkar and Subhankar Sen. Vortex, potential forces and phase dynamics of freely vibrating circular, square and diamond shaped cylinders at a low Reynolds number. *Physics of Fluids*, 2025, vol. 37(8), 083631.
31. Pavan Kumar Yadav, Himalaya Sarkar and Subhankar Sen. Flow past a freely vibrating elliptic cylinder at 45° incidence. *Journal of Fluids and Structures*, 2024, vol. 130, 104201.
30. Shravan Kumar Mishra and Subhankar Sen. Flow past two diamond-section cylinders in tandem arrangement at a low Reynolds number. *Physics of Fluids*, 2024, vol. 36(7), 073614.
29. Deepak Kumar, Kumar Sourav and Subhankar Sen. Exploring kinematic stability of vortex structures: a topological approach to fluid flow around staggered square cylinders. *Physics of Fluids*, 2024, vol. 36(7), 073605.
28. Shravan Kumar Mishra and Subhankar Sen. On the critical spacing between two in-line diamond cylinders at $Re = 100$. *Ocean Engineering*, 2024, vol. 296, 117011.
27. Pavan Kumar Yadav and Subhankar Sen. Predicting the upper bound of two-dimensional flow regimes of symmetric objects through two-dimensional computations. *Physics of Fluids*, 2024, vol. 36(2), 023609.
26. Pavan Kumar Yadav, Sachin Sharma and Subhankar Sen. Damped flow-induced vibrations of a square cylinder at low Reynolds numbers. *Journal of Flow Visualization and Image Processing*, 2023, vol. 30(1), pp. 87-113.
25. Shravan Kumar Mishra, Pavan Kumar Yadav, Himalaya Sarkar and Subhankar Sen. Correspondence between the number of no-slip critical points and nature of rear stagnation point of a symmetric object. *Physics of Fluids*, 2022, vol. 34(11), 111702.
24. Subhankar Sen. Wake modes of a freely vibrating square cylinder. *Physics of Fluids*, 2022, vol. 34(5), 053601.
23. Pavan Kumar Yadav, Kumar Sourav, Deepak Kumar and Subhankar Sen. Flow around a diamond-section cylinder at low Reynolds numbers. *Physics of Fluids*, 2021, vol. 33(5), 053611.
22. Deepak Kumar and Subhankar Sen. Flow-induced vibrations of a pair of in-line square cylinders. *Physics of Fluids*, 2021, vol. 33(4), 043602.
21. Shravan Kumar Mishra, Subhankar Sen and Akhil Verma. Steady flow past a circular cylinder under large blockage. *European Journal of Mechanics B/Fluids*, 2021, vol. 87, pp. 135-150.
20. Subhankar Sen. Surface pressure and viscous forces on inclined elliptic cylinders in steady flow. *Sadhana*, 2020, vol. 45, 172.
19. Kumar Sourav and Subhankar Sen. Determination of the transition mass ratio for onset of galloping of a square cylinder at the least permissible Reynolds number of 150. *Physics of Fluids*, 2020, vol. 32(6), 063601:1-19.
18. Kumar Sourav, Deepak Kumar and Subhankar Sen. Vortex-induced vibrations of an elliptic cylinder of low mass ratio: identification of new response branches. *Physics of Fluids*, 2020, vol. 32(2), 023605:1-20.
17. Kumar Sourav, Deepak Kumar and Subhankar Sen. Undamped transverse-only VIV of a diamond cylinder at low Reynolds numbers. *Ocean Engineering*, 2020, vol. 197, 106867.
16. Deepak Kumar, Kumar Sourav and Subhankar Sen. Steady separated flow around a pair of identical square cylinders in tandem array at low Reynolds numbers. *Computers and Fluids*, 2019, vol. 191, 104244.
15. Kumar Sourav and Subhankar Sen. Transition of VIV-only motion of a square cylinder to combined VIV and galloping at low Reynolds numbers. *Ocean Engineering*, 2019, vol. 187, 106208.

14. Deepak Kumar, Kumar Sourav, Pavan Kumar Yadav and Subhankar Sen. Understanding the secondary separation from an inclined square cylinder with sharp and rounded trailing edges. *Physics of Fluids*, 2019, vol. 31(7), 073607:1-16.
13. Deepak Kumar, Amit Kumar Singh and Subhankar Sen. Identification of response branches for oscillators with curved and straight contours executing VIV. *Ocean Engineering*, 2018, vol. 164, pp. 616-627.
12. Deepak Kumar, Kumar Sourav, Subhankar Sen and Pavan Kumar Yadav. Steady separation of flow from an inclined square cylinder with sharp and rounded base. *Computers and Fluids*, 2018, vol. 171, pp. 29-40.
11. Deepak Kumar, Manik Mittal and Subhankar Sen. Modification of response and suppression of vortex-shedding in Vortex-Induced Vibrations of an elliptic cylinder. *International Journal of Heat and Fluid Flow*, 2018, vol. 71, pp. 406-419.
10. Subhankar Sen and Sanjay Mittal. A study on the far wake of elliptic cylinders. *Computer Modeling in Engineering and Sciences*, 2017, vol. 113, pp. 33-53.
9. Kumar Sourav and Subhankar Sen. On the response of a freely vibrating thick elliptic cylinder of low mass ratio. *Journal of Applied Fluid Mechanics*, 2017, vol. 10(3), pp. 899-913.
8. Subhankar Sen and Sanjay Mittal. Free vibrations of a square cylinder of varying mass ratios. *Procedia Engineering*, 2016, vol. 144, pp. 34-42.
7. Rajeev Kumar Jaiman, Subhankar Sen and Pardha Sarathi Gurugubelli. A fully implicit combined field scheme for freely vibrating square cylinders with sharp and rounded corners. *Computers and Fluids*, 2015, vol. 112, pp. 1-18.
6. Subhankar Sen and Sanjay Mittal. Effect of mass ratio on free vibrations of a square cylinder at low Reynolds numbers. *Journal of Fluids and Structures*, 2015, vol. 54, pp. 661-678.
5. Navrose, V. Yogeswaran, Subhankar Sen and Sanjay Mittal. Free vibrations of elliptic cylinders at low Reynolds numbers. *Journal of Fluids and Structures*, 2014, vol. 51, pp. 55-67.
4. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Steady separated flow past elliptic cylinders using a stabilized finite-element method. *Computer Modeling in Engineering and Sciences*, 2012, vol. 86, pp. 1-28.
3. Subhankar Sen and Sanjay Mittal. Free vibration of a square cylinder at low Reynolds numbers. *Journal of Fluids and Structures*, 2011, vol. 27, pp. 875-884.
2. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Flow past a square cylinder at low Reynolds numbers. *International Journal for Numerical Methods in Fluids*, 2011, vol. 67, pp. 1160-1174.
1. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Steady separated flow past a circular cylinder at low Reynolds numbers. *Journal of Fluid Mechanics*, 2009, vol. 620, pp. 89-119.

Conference papers published as book chapters:

4. Pavan Kumar Yadav and Subhankar Sen. Effect of mass ratio on the response of an upstream truncated circular cylinder. In *Proceedings of the 26th National and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference*, IIT Madras, Begel House, 2021, pp. 53-57.
3. Subhankar Sen. Transverse-only vibrations of a rigid square cylinder. In *Recent Advances in Theoretical, Applied, Computational and Experimental Mechanics*, Springer, 2020, pp. 397-406.
2. Deepak kumar, Kumar Sourav, Subhankar Sen. Steady flow past two square cylinders in tandem. In *Recent Advances in Theoretical, Applied, Computational and Experimental Mechanics*, Springer, 2020, pp. 407-414.
1. Shravan Kumar Mishra, Deepak Kumar, Kumar Sourav, Pavan Kumar Yadav and Subhankar Sen. Highly confined flow past a stationary square cylinder. In *Advances in Fluid and Thermal Engineering*, Springer, 2019, pp. 127-135.

In refereed international conferences:

8. Subhankar Sen, Kumar Sourav and Deepak Kumar. Identification of a new wake mode for transverse vortex-induced vibrations of a square cylinder at low Reynolds number. In *Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power*, IIT Bombay, Mumbai, India, December 10-12, 2018. Paper No. 91.
7. Subhankar Sen. Transverse-only vibrations of a rigid square cylinder. In *Proceedings of the 7th International Conference on Theoretical, Applied, Computational and Experimental Mechanics*, IIT Kharagpur, India, 28-30th December, 2017. Paper No. 335.
6. Subhankar Sen and Sanjay Mittal. Free vibrations of a square cylinder of varying mass ratios. *12th International Conference on Vibration Problems*, IIT Guwahati, India, 14-17th December, 2015. Paper No. ICOVP-O0015.
5. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Far wake of an elliptic cylinder. In *Proceedings of the 5th International Conference on Theoretical, Applied, Computational and Experimental Mechanics*, IIT Kharagpur, India, 27-29th December, 2010. Paper No. 147.
4. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Effects of cross-section on steady flow past cylinders. In *Proceedings of the 13th Asian Congress of Fluid Mechanics*, Dhaka, Bangladesh, 17-21st December, 2010. Paper No. 292.
3. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Numerical simulation of steady flow past a circular cylinder. In *Proceedings of the 37th National and 4th International conference on Fluid Mechanics and Fluid Power*, IIT Madras, Chennai, India, 16-18th December, 2010. Paper No. 189.
2. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Free vibration of cylinders of various cross-sections. In *Proceedings of IUTAM Symposium on Bluff Body Wakes and Vortex-Induced Vibrations (BBVIV-6)*, pp. 325-328, Capri Island, Italy, 22-25th June, 2010.
1. Subhankar Sen, Sanjay Mittal and Gautam Biswas. Finite-element simulation of steady flow past elliptic cylinders. In *Proceedings of the 8th Asian Computational Fluid Dynamics Conference*, Hong Kong, 10-14th January, 2010. Paper No. ACFD0035-T007-A-001.