

REFERENCES

- [1] O. Zeitoun and M. Ali, "Nanofluid impingement jet heat transfer," *Nanoscale Res. Lett.*, vol. 7, 2012, doi: 10.1186/1556-276X-7-139.
- [2] L. Syam Sundar, N. T. Ravi Kumar, B. M. Addis, P. Bhramara, M. K. Singh, and A. C. M. Sousa, "Heat transfer and effectiveness experimentally-based analysis of wire coil with core-rod inserted in Fe₃O₄/water nanofluid flow in a double pipe U-bend heat exchanger," *Int. J. Heat Mass Transf.*, vol. 134, pp. 405–419, May 2019, doi: 10.1016/j.ijheatmasstransfer.2019.01.041.
- [3] B. C. Pak and Y. I. Cho, "Hydrodynamic and heat transfer study of dispersed fluids with submicron metallic oxide particles," *Experimental Heat Transfer*, vol. 11, no. 2, pp. 151–170, 1998, doi: 10.1080/08916159808946559.
- [4] R. Clarke and D. P. Finn, "NUMERICAL INVESTIGATION OF THE INFLUENCE OF HEAT EXCHANGER U-BENDS ON TEMPERATURE PROFILE AND HEAT TRANSFER OF SECONDARY WORKING FLUIDS," 2008.
- [5] H. Schlichting and K. Gersten, *Boundary-Layer Theory*. Springer Berlin Heidelberg, 2016. doi: 10.1007/978-3-662-52919-5.
- [6] F. Chassagne *et al.*, "The effect of Dean, Reynolds and Womersley numbers on the flow in a spherical cavity on a curved round pipe. Part 1. Fluid mechanics in the cavity as a canonical flow representing intracranial aneurysms," *J. Fluid Mech.*, vol. 915, 2021, doi: 10.1017/jfm.2020.1114.
- [7] H. Ben Bacha, N. Ullah, A. Hamid, and N. A. Shah, "A comprehensive review on nanofluids: Synthesis, cutting-edge applications, and future prospects," May 01, 2024, *Elsevier B.V.* doi: 10.1016/j.ijft.2024.100595.
- [8] ANSYS Inc., "Ansys Fluent Theory Guide, Chapter 12: Discrete Phase, Section 12.2.1: Equations of Motion for Particles," Canonsburg, PA, 2025.
- [9] Y. Rao, Y. Wang, S. Wang, Z. Gong, and C. Zhang, "Numerical simulation study on the influence of bend diameter rate on the flow characteristics of

nature gas hydrate particles,” *Sci. Rep.*, vol. 14, no. 1, Dec. 2024, doi: 10.1038/s41598-024-77890-w.

- [10] Y. A. Cengel, *HEAT TRANSFER A Practical Approach Second Edition*.
- [11] V. Bianco, O. Manca, S. Nardini, and K. Vafai, “Heat Transfer Enhancement with Nanofluids EDITORS.”
- [12] A. Noorani, G. Sardina, L. Brandt, and P. Schlatter, “Particle transport in turbulent curved pipe flow,” *J. Fluid Mech.*, vol. 793, pp. 248–279, Apr. 2016, doi: 10.1017/jfm.2016.136.
- [13] H. K. Versteeg and W. Malalasekera, “Versteeg-Malalasekera cfd,” 1995.

