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List of Publications

1. **Pooja Gupta**, L. P. Singh and R. Singh “Riemann problem for non-ideal polytropic magnetogasdynamical flow,” *International Journal of Non-Linear Mechanics*,(Elsevier), vol. 112, pp. 6–12, 2019.
2. **Pooja Gupta**, R. K. Chaturvedi and L.P. Singh, “The generalized Riemann problem for the Chaplygin gas equation (Elsevier),” *European Journal of Mechanics-B/Fluids*,(Elsevier), vol. 82, pp. 61–65, 2020.
3. **Pooja Gupta**, R. K. Chaturvedi, and L.P. Singh, “The propagation of weak shock waves in non-ideal gas flow with radiation,” *The European Physical Journal Plus* ,(Springer), vol. 135, no.1, pp. 1–15, 2020.
4. **Pooja Gupta**, R. K. Chaturvedi, and L.P. Singh, “Interaction of waves in one-dimensional dusty gas flow,” *Zeitschrift fr Naturforschung A (ZNA)*,(De Gruyter), vol. 76, no.3, pp. 201–208, 2021.
5. **Pooja Gupta**, R. K. Chaturvedi, and L.P. Singh, “Solution of Riemann Problem of Conservation laws in van der Waals Gas,” *Waves in Random and Complex Media*,(Taylor & Francis), (DOI:10.1080/17455030.2021.2017068)
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6. R. K. Chaturvedi, **Pooja Gupta** and L.P. Singh, “Evolution of weak shock wave in two-dimensional steady supersonic flow in dusty gas,” *Acta Astronautica*, (Elsevier), vol. 160, pp. 552–557, 2019.
7. R. K. Chaturvedi, **Pooja Gupta** and L.P. Singh, “Solution of generalized Riemann problem for hyperbolic p- system with damping,” *International Journal of Non-Linear Mechanics*, (Elsevier), vol. 117, pp. 103–229, 2019.
8. R. K. Chaturvedi, **Pooja Gupta**, S.K. Srivastava and L.P. Singh, “Evolution of C^1 wave and its collision with the blast wave in one-dimensional non-ideal gas dynamics,” *Computational and Applied Mathematics*, (Springer), vol.39, no.3, pp. 1–13, 2020.
9. **Pooja Gupta** and L.P. Singh, “On the evolution of magnetic shock wave in the mixture of gas and small solid dust particles,” **Communicated**.