List of Works

[1] Pinak Mandal, Shashank Kumar Roy, and Amit Apte. "Stability of nonlinear filters-numerical explorations of particle and ensemble Kalman filters". In: *2021 Seventh Indian Control Conference (ICC)*. IEEE. 2021, pp. 307–312.

[2] Pinak Mandal, Shashank Kumar Roy, and Amit Apte. "Probing robustness of nonlinear filter stability numerically using Sinkhorn divergence". In: *Physica D: Nonlinear Phenomena* 451 (2023), p. 133765.

[3] Pinak Mandal and Amit Apte. "Learning zeros of Fokker-Planck operators". In: *arXiv preprint arXiv:2306.07068* (2023).

[4] Pinak Mandal and Amit Apte. "Solving Fokker-Planck equations using the zeros of Fokker-Planck operators and the Feynman-Kac formula". In: *arXiv preprint arXiv:2401.01292* (2024).

[5] Pinak Mandal. "Learning solutions to some toy constrained optimization problems in infinite dimensional Hilbert spaces". In: *arXiv preprint arXiv:2401.01306* (2024).