NONLINEAR FORECASTING METHODS REVISITED AND LEARNING WITHIN THE GHWS MODEL

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In this talk we comment and expand on our recent work on the dynamic state of a complex system obtained from predictability properties. We considered decades of data from an ecosystem, data from molecular dynamics simulations of protein dynamics, and others. Also, we comment on a scenario for learning with a family of processes in parameter space for the GHWS model.

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[1] L. Reyes, K. Campos, G. D. Avendaño, L. González-Paz, A. Vivas, Y. J. Alvarado, and S. Flores, J. Phys. Complex. **6**, 01LT01 (2025).

[2] L. Reyes and D. Laroze, Physica A **588**, 126552 (2022).

[3] L. Reyes, arXiv:2407.14318v5 (2025).

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