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Dear Editors
of Nonlinear Dynamics

June 10, 2022

Dear Dr. Walter Lacarbonara,

The computational novelty of the paper beyond the published literature can be summarized as:

- A novel machine learning-based framework is proposed for characterizing dynamical systems with nonlinear and non-Gaussian behaviors.
- The proposed model supports the extraction of a set of differential equations describing the sloshing dynamics in a wide range of baffle settings.
- The proposed model can detect extreme value events such as bursting and switching from noisy experimental data.

Kind regards

Xihaier Luo