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The Data-DrivenReduced Order Modelling Framework: Application on the DYNASTY Experimental Facility

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This research presents the application of Data-Driven Reduced Order Modelling (DDROM) to the DYNASTY experimental facility, addressing computational limitations of high-fidelity nuclear reactor models. The work demonstrates practical validation of theoretical ROM methods using real experimental data from a natural circulation loop.

Technical Track

Nuclear Thermal-Hydraulics

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