

# Data-Driven Structural Dynamics

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## ABSTRACT

When addressing structural dynamics modal analysis is widely considered. However in many cases large structures are coarsened when looking for their modal components. Thus, it is expected a certain deviation between the dynamical responses obtained from the use of the coarse-model modes and the experimental measures.

In this work, and within the hybrid modeling rationale, these noticed deviations will be used for enriching the dynamical model trying to minimize those deviations.