

IMAC-XLIV

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Place:

Palm Springs/CA, USA

Title:

Making Modal Analysis Easy and more reliable: Practical application of AI-based tools

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Abstract:

Though modal analysis is a common tool to evaluate the dynamic properties of a structure, there are still many individual decisions to be made during the process. These decisions are often based on experience, making it difficult for occasional users to gain reliable and correct results. This contribution presents two AI-based approaches to support such users and experienced users alike. The potential of these approaches will be shown by applying them in two different scenarios: the well-known BARC example and the model updating process of a gearbox housing.

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