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Numerical Tests of a Damage Detection Procedure Based on Modal Filtration

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This paper presents the results of numerical simulations that test the sensitivity of the modal filter based damage detection method to factors other than damage. These factors (e.g. measurement inaccuracies and changes in ambient conditions) can produce false alarms, which is why it is so important to know how they influence the method in comparison with damage. For this purpose, three numerical models of the physical systems were created and applied.

Ключевые слова:

Содержание.

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