

Application of topological derivative methods to non-destructive inspection of metallic plates**Authors:**

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Abstract:

In this work, we apply topological derivative techniques for the detection of small defects of different shapes and sizes in aluminium plates, using Lamb wave excitation signals in a wide range of frequencies. We propose a general framework which adapts to different experimental setups of practical interest. Numerical experiments illustrating the capabilities of the method will be presented.

References:

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