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Optical Measurement Techniques for use of Defect Detection in Thin Walled Structures

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This work deals with experimental investigations on an artificial delamination by use of two different optical measurement techniques, namely the pulsed Electronic Speckle Pattern Interferometry (ESPI) as well as Scanning Laser Vibrometry (SLV). The behavior of propagating Lamb waves at the location of the delamination is observed. It is shown that both optical measurement techniques can successfully be used for structural health monitoring purposes as well as for quality assurance.

Ключевые слова:

Содержание.

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