Experimental Modal Analysis of a Suspended Composite Beam

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Abstract : Vibration tests are used to identify the elasticity modulus in two directions. This strategy is applied to composite materials glass / polyester. Experimental results made on a specimen in free vibration showed the efficiency of this method. Obtained results were validated by a comparison to results stemming from static tests.

 ${\it Keywords:} beam, characterization, composite, elasticity modulus, vibration.$

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