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ANALYSIS METHOD FOR INELASTIC, ADHESIVELY BONDED JOINTS WITH ANISOTROPIC ADHERENDS



Analysis Method for Inelastic,
Adhesively Bonded Joints
with Anisotropic Adherends

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BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. A one-dimensional analysis method for evaluating adhesively bonded joints composed of anisotropic adherends and adhesives with nonlinear material behavior is presented in the proposed paper. The strain and resulting stress field in a general, bonded joint overlap are determined by using a variable-step, finite-difference solution algorithm to iteratively solve a system of first-order differential equations. Applied loading is given by a...

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