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A SEMI-ANALYTICAL METHOD FOR DETERMINING THE ENERGY RELEASE RATE OF CRACKS IN ADHESIVELY-BONDED SINGLE-LAP COMPOSITE JOINTS (PAPERBACK)



A Semi-Analytical Method for Determining the Energy Release Rate of Cracks in Adhesively-Bonded Single Lap Composite Joints

NASA Technical Reports Server (NTRS), et al., Charles Yang Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. A semi-analytical method for determining the strain energy release rate due to a prescribed interface crack in an adhesively-bonded, single-lap composite joint subjected to axial tension is presented. The field equations in terms of displacements within the joint are formulated by using first-order shear deformable, laminated plate theory together with kinematic relations and force equilibrium conditions. The stress...

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