



Philosophische Rechtslehre

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 62 pages. Original publisher: Washington, D. C. : U. S. Dept. of Transportation, Federal Aviation Administration, Office of Aviation Research, 2005 OCLC Number: (OCOlc)62102148 Subject: Adhesive joints -- Testing. Excerpt: . . . 3. ANALYSIS APPROACHES AND CASE STUDIES. 3. 1 STRESS DISTRIBUTION IN DOUBLE LAP JOINT CONFIGURATION. 3. 1. 1 Volkersen. Volkersen 1 first proposed a simple shear lag model for load transfer from one adherend to another by a simple shearing mechanism alone. In the model, the adherends are assumed in tension and the adhesive is in shear only, and both are constant across the thickness. The important relationships are given by $E t^2 E t P \cosh(x) \sinh(x) i o o (3-1) (x) 4 \sinh(c) E t^2 E t \cosh(c) i o o$ where $G 1 2 2 a () t E t E t a o o i i$ In these expressions, the subscripts o, i, and a denote the respective components relative to the outer adherend, inner adherend, and adhesive. The parameter P denotes the...



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