



## Sokrates Und Die Ethik

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 34 pages. Original publisher: Hampton, Va. : National Aeronautics and Space Administration, Langley Research Center, 1990 OCLC Number: (OCoLC)25053417 Subject: Fibrous composites -- Mathematical models. Excerpt: . . . The stress term in equation 29 is dimensionless and was given by  $\sigma_i$  ( 31 ) where  $X$  is the ply strength in the  $i$  direction. The function in equation 29 is related to plastic strain rate and was assumed to be given by a form of overstress function written in the form of equation 24 with the overstress given by a power law  $H$  ( and . )  $b$  ( 32 ) where the quantity was allowed to vary with temperature and strain. In all, nine experimentally derived constants were required for the viscoplastic component assuming combined transverse and shear loads. To predict the rate dependent behavior in laminated composites, a numerical solution routine for a modified laminated plate theory was developed. Experimental tests were run on graphite epoxy specimens under four point bending. These tests were used to obtain the necessary material constants and to validate the model. Several layups, including multiple ply unidirectional, 4-451 and...



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