



## Benedikt Franz Leo Waldeck, Der Fuhrer Der Preussischen Demokratie (1848-1870)

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By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 46 pages. Original publisher: Hampton, Va. : National Aeronautics and Space Administration, Langley Research Center, 1990 OCLC Number: (OCoLC)25058092 Subject: Stitch-bonded fabrics -- Fatigue. Excerpt: . . . oscillations throughout the load-time histories are mostly ringing of the impactor and vibrations of the specimens. After impacting, each panel was ultrasonically C-scanned to examine the extent of damage. Typical C-scan results for both materials are shown in Figures 18 and 19. The damaged area, seen as the white region in the center of these photographs, was measured with the use of a planimeter and is given in Table 3. The damage region in the AS4 3501-6 was about twice as large as in the IM7 8551-7. Stitching limits the damage area in AS4 3501-6 uniweave composite 6 , but the toughened resin tape composite had an even smaller damage area. The standard deviation was calculated for each of the impact area data sets. It showed a variation of less than 9 for the AS4 3501-6 and less than 4 for the IM7 8551-7. This low standard deviation indicates that the impacts were consistent and repeatable. Post-Impact Fatigue Test data...



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