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# DYNAMIC CRUSH CHARACTERIZATION OF ICE



Dynamic Crush  
Characterization of Ice

NASA Technical Reports Server  
(NTRS), et al., Edwin L. Fasanella

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. During the space shuttle return-to-flight preparations following the Columbia accident, finite element models were needed that could predict the threshold of critical damage to the orbiters wing leading edge from ice debris impacts. Hence, an experimental program was initiated to provide crushing data from impacted ice for use in dynamic finite element material models. A high-speed drop tower was configured to...

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