



## Experimental Behavior of Fatigued Single Stiffener Prseus Specimens

By Dawn C. Jegley

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 34 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. NASA, the Air Force Research Laboratory and The Boeing Company have worked to develop new low-cost, light-weight composite structures for aircraft. A Pultruded Rod Stitched Efficient Unitized Structure (PRSEUS) concept has been developed which offers advantages over traditional metallic structure. In this concept a stitched carbon-epoxy material system has been developed with the potential for reducing the weight and cost of transport aircraft structure by eliminating fasteners, thereby reducing part count and labor. By adding unidirectional carbon rods to the top of stiffeners, the panel becomes more structurally efficient. This combination produces a more damage tolerant design. This document describes the results of experimentation on PRSEUS specimens loaded in unidirectional compression in fatigue and to failure. This item ships from La Vergne, TN. Paperback.



**READ ONLINE**  
[ 5.11 MB ]

### Reviews

*If you need to adding benefit, a must buy book. It is packed with wisdom and knowledge I am just effortlessly could get a pleasure of reading a written publication.*

-- **Lea Legros V**

*Totally among the best ebook I have ever go through. It can be rally exciting throug looking at period. Its been printed in an extremely straightforward way which is just soon after i finished reading this pdf by which actually transformed me, change the way i believe.*

-- **Mr. Mervin Walsh**