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## AUTOFRETTAGE TO COUNTERACT COEFFICIENT OF THERMAL EXPANSION MISMATCH IN CRYOGENIC PRESSURIZED PIPES WITH METALLIC LINERS



Autofrettage to Counteract Coefficient of Thermal Expansion Mismatch in Cryogenic Pressurized Pipes with Metallic Liners

NASA Technical Reports Server (NTRS), et al., Ed. Wen

BiblioGov. Paperback Book Condition: New. This item is printed on demand. Paperback. 42 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Composite feedlines with metal liners have the potential to reduce weightcost while providing the same level of permeation resistance and material compatibility of all-metal feedlines carrying cryogenic propellants in spacecraft. The major technical challenges are the large difference in Coefficient of Thermal Expansion between the liner and the composite, and the manufacturing method required to make a very thin liner with..

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