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## COMPUTATIONAL FLUID DYNAMICS ANALYSIS FOR THE ORBITER LH2 FEEDLINE FLOWLINER



Computational Fluid Dynamics  
Analysis for the Orbiter LH2  
Feedline Flowliner

NASA Technical Reports Server  
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BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 30 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. In phase II, additional inducer rotations are simulated in order to understand the root cause of the flowliner crack problem. CFD results confirmed that there is a strong unsteady interaction between the backflow regions caused by the LPFTP inducer and secondary flow regions in the bellows cavity through the flowliner slots. It is observed that the swirl on the duct side...

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- Authored by Cetin C. Kiris
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