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## JET NOISE REDUCTION BY MICROJETS: A PARAMETRIC STUDY



Jet Noise Reduction by  
Microjets: A Parametric  
Study

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. The effect of injecting tiny secondary jets (microjets ) on the radiated noise from a subsonic primary jet is studied experimentally. The microjets are injected on to the primary jet near the nozzle exit with variable port geometry, working fluid and driving pressure. A clear noise reduction is observed that improves with increasing jet pressure. It is found that smaller diameter...

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