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# CORE NOISE DIAGNOSTICS OF TURBOFAN ENGINE NOISE USING CORRELATION AND COHERENCE FUNCTIONS



Core Noise Diagnostics of Turbofan Engine Noise Using Correlation and Coherence Functions

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BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 42 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Cross-correlation and coherence functions are used to look for periodic acoustic components in turbofan engine combustor time histories, to investigate direct and indirect combustion noise source separation based on signal propagation time delays, and to provide information on combustor acoustics. Using the cross-correlation function, time delays were identified in all cases, clearly indicating the combustor is the source of the noise....

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