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January 2005 STP1439-EB

This paper describes the spectrum editing techniques that were used to derive the test spectrum for the full-scale fatigue testing of an F/A-18 wing that is currently underway at the Institute for Aerospace Research, National Research Council Canada. The derivation of the baseline spectrum and the truncation methodology are described, together with details of the validation process and the calculated effects of the truncation levels that were accepted. Even with aggressive truncation, the test spectrum... Show More

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