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STABILITY CHARACTERISTICS OF MIG-21BIS
AIRCRAFT FROM FLIGHT DATA

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Abstract :

This report presents the parameter estimation results derived from flight test data of a MIG-21BIS aircraft. The flight test program was executed by Aircraft & Systems Testing establishment (ASTE) and the flight data analysis was carried out at NAL. The aircraft was tested in four configurations to evaluate the effect of i) a vortex plate attached to the leading edge of the wing to improve the drag characteristics and ii) a larger saddle tank to improve the range.