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## **Aeroelastic and Performance Analysis of a Supersonic Trainer/Strike Aircraft using MSC.Flightloads**

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A case study of the Aeroelastic and Performance Analysis of a typical Supersonic Trainer/Strike Aircraft is carried out using MSC.Flightloads V2001. This paper presents practical guidelines and usage scenarios. Disciplines investigated include: Flutter, Static Aeroelasticity, Loads Derivation, Stability, Flight Performance and Structural Design. A review of the interaction of these areas within the framework of MSC.Software products is included.