



Loadings in Thermal Barrier Coatings of Jet Engine Turbine Blades: An Experimental Research and Numerical Modeling (SpringerBriefs in Applied Sciences and Technology)

Tomasz Sadowski, Przemyslaw Golewski

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This book discusses complex loadings of turbine blades and protective layer Thermal Barrier Coating (TBC), under real working airplane jet conditions. They obey both multi-axial mechanical loading and sudden temperature variation during starting and landing of the airplanes. In particular, two types of blades are analyzed: stationary and rotating, which are widely applied in turbine engines produced by airplane factories.

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