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Algorithms to Monitor Damaging Events on a Plane Blade with an Autonomous Embedded Microsystem

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Monitoring of aircrafts composites structures is part of today challenge named SHM, for Structural Health Monitoring. Turboprop blade surveillance is part of it. In this context we devised a microsystem embedded on these structures in order to monitor various blade parameters such as speed, vibrations or impacts. This paper intends to show results obtained in blade monitoring data processing. These works lead to a dedicated algorithm of surveillance based on a single accelerometer.

Ключевые слова:

Содержание.

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