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Sommario/riassunto

The design and market forces driving the never-ending quest for improved materials for aerospace vehicles include lower weight, improved corrosion and fatigue resistances and lower acquisition and operating costs. The application of composite materials to commercial aircraft, and their extrapolation to next-generation aircraft, has led to significant overall weight-savings; which translate into enhanced range, payload and endurance. The most significant current barriers to an increased use of composite materials are high manufacturing costs, poor reliability in estimating design and developmen

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