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Abstract of Published Article

Fatigue behaviour study on repaired aramid

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Abstract:

Aramid fiber reinforced polymer composites have been
such as aerospace, marine, sporting equipment anc
outstanding properties at low density. The most widel
repair of composites has been by repairing damages s
work presents the structural repair influence on tensile a
fiber/epoxy composite used in the aerospace industry. A
composites with and without repair present tensile
respectively, and tensile modulus of 26.5 and 30.1 GI
results show that in loads higher than 170 MPa, both co
than 200,000 cycles) and the repaired aramid/epoxy con
in low and high cycle when compared with non-repai
possible to observe a decrease of the measured r
composites.

Keywords:

Fatigue behavior, Aramid/epoxy composite, Structural co

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