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the residual strength
models.

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Fatigue limit stress is a key design parameter for the structure fatigue design of composite materials. In this paper, a micromechanical fatigue limit stress model of fiber-reinforced ceramic-matrix composites (CMCs) subjected to

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stress is developed.
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conditions as well as for fatigue conditions. Contents.... Two of the examples are appropriate to carbon fiber composites, while the third one is for particulate composites.

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progress to failure.

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Yielding In materials

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science, fatigue is the weakening of a material caused by cyclic loading that results in progressive and localised structural damage and the growth of cracks. Once a fatigue crack has initiated, each loading cycle will grow the crack a small amount, typically producing striations on some parts of the fracture surface.

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title={Fatigue life prediction and strength degradation of wind turbine rotor blade composites},

author={R.P.L.

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are subjected to a large number of highly

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Harris B. (Ed.)
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