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~~Material model~~

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~~Significance and~~

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Is A Good Thing

An introduction

to fatigue

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~~Step By Step~~

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Thus, the proposal of an efficient fatigue model for composite materials necessitates a good understanding of

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Modeling

the specific fatigue

damage

mechanisms that

occur under

static and

fatigue loadings

of composites.

These damage

mechanisms are

detailed in the

second section.

Then, the next

section presents

the different



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types of models reported in the literature; among them, the progressive damage models, to which special attention will be paid.

Finally, structural simulations and constant-life diagrams ...

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A new damage  
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model is

proposed to  
capture the  
unique

characteristics

of composite  
materials. The

proposed model

is found to be

more accurate

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than existing fatigue models, both in modelling the rapid damage growth early in life and near the end of fatigue life.

The parameters for the proposed model are obtained with experimental data.

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