

## عنوان مقاله:

Analytical progressive damage analysis of laminated composites based on various material degradation models

## محل انتشار:

ششمین کنفرانس بین المللی کامپوزیت، مشخصه سازی، ساخت و کاربرد (سال: 1397)

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## خلاصه مقاله:

An incremental failure analysis of fiber reinforced polymer composites is assessed analytically through the various material degradation models. The analysis is conducted based on the classical laminate theory. The Hashin failure criterion is implemented for damage evolution. For each load increment in the progressive assessment, the criterion is checked within each lamina and the material properties of the lamina are modified based on different material degradation models. Ultimately, the analytical force-displacement curves of different material degradation models are compared with each other.

## کلمات کلیدی:

Progressive damage analysis, Laminated composite, Hashin failure criterion, Material degradation model

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/901533>

