



# Computational Modeling of Damage and Fracture in Composite Materials

---

By Leandro Maio

SPS Jan 2015, 2015. Taschenbuch. Book Condition: Neu. 221x151x15 mm. Neuware - The work is focused on the study of damage and fracture mechanics with emphasis to composite materials which are widely employed in the aerospace industry. For this purpose, a cohesive-frictional model for the prediction of interlaminar damage and a non-local constitutive model for intralaminar progressive damage simulation in composite laminated structures were defined. The proposed constitutive models were developed for commercial finite element software ABAQUS by means of user-defined material subroutine written in FORTRAN. To verify the effectiveness of the implemented models numerical simulations were conducted and validated by experimental results available from literature. 128 pp. Englisch.



[DOWNLOAD PDF](#)



[READ ONLINE](#)  
[ 5.86 MB ]

## Reviews

*Basically no phrases to spell out. It is actually rally interesting throgh studying time. You can expect to like just how the article writer create this publication.*

-- Braden Leannan

*This book is amazing. it was writtern very completely and helpful. Your way of life period is going to be enhance as soon as you full reading this pdf.*

-- Antonia Lindgren II