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VIBRATION ANALYSIS OF CRACKED COMPOSITE AIRCRAFT WING MODELED AS SHELL



Adamu Yebi
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Aircraft Wing Modeled as
Shell**
Damage detection of cracked composite
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VDM Verlag Jul 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x7 mm. Neuware - An analytical model of cracked composite shell is developed to study the characteristics of the natural vibration of composite aircraft wing in relation to crack position and orientations. Also, the analysis incorporates the effect of stacking sequence of the composite lamina and volume fraction of fiber to matrix response to natural vibration. The composite wing is modeled as a shell using ANSYS software. The local flexibility approach...

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- Authored by Adamu Yebi
- Released at 2010



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