Download Mechanics Of Curved Composites

This book is the frrst to focus on mechanical aspects of fibrous and layered composite material with curved structure. By mechanical aspects we mean statics, vibration, stability loss, elastic and fracture problems.This book is the frrst to focus on mechanical aspects of fibrous and layered composite material with curved structure. By mechanical aspects we mean statics, vibration, stability loss, elastic and fracture problems. By curved structures we mean that the reinforcing layers or fibres are not straightMechanics of Curved Composites by S.D. Akbarov Yildiz Technical University, Istanbul, Turkey and Institute of Mathematics and Mechanics of Academy of Science of Azerbaijan,Stress distribution in composites with partially curved layers --4.5. Viscoelastic composites --4.6. Stress distribution in composites with viscoelastic layers --4.7. Composite materials with anisotropic layers --4.8. Numerical results: rectilinear anisotropy --4.9. Numerical results: curvilinear anisotropy --4.10. Bibliographical notes --5.