

EXAMPLE: CREATE COMPOSITE MODEL USING MSC.PATRAN

■ Step 1: create composite material

- ◆ In MSC.Patran Materials menu create new 2D orthotropic material
- ◆ Under Input Properties... enter material data

The screenshot shows the MSC.Patran Materials dialog box with the 'Create' action selected. The 'Material Name' is 'Lamina'. The 'Description' is 'Date: 16-Jan-03 Time: 10:08:08'. The 'Input Properties' dialog box is open, showing the 'Constitutive Model' as 'Linear Elastic'. The 'Property Name' is 'Lamina'. The 'Value' column shows the following values:

Property Name	Value
Elastic Modulus E1	4000
Elastic Modulus E2	100
Poisson Ratio ν_{12}	0.25
Shear Modulus G12	1.000
Shear Modulus G23	1.000
Shear Modulus G13	1.000
Density	
Thermal Expn. Coeff E1	
Thermal Expn. Coeff E2	
Structural Damping Coeff	
Reference Temperature	

The 'Temperature Dependent Variable Fields' and 'Current Constitutive Models' sections are also visible.

Msc Patran Composite Module Manual

VM Jensen



Msc Patran Composite Module Manual:

Reviewing **Msc Patran Composite Module Manual**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Msc Patran Composite Module Manual**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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