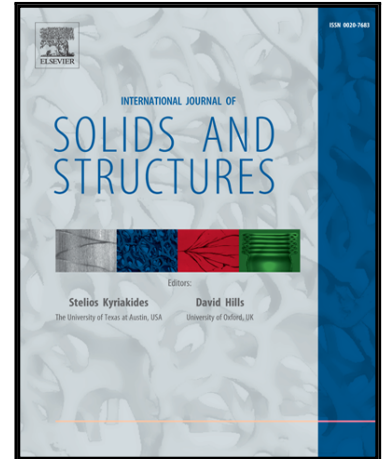


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Variational formulations and extra boundary conditions within stress gradient elasticity theory with extensions to beam and plate models

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**Highlights**

- Extension to stress gradient elasticity of two variational principles of class elasticity
- Extra boundary conditions as congruence conditions at the boundary
- Extension to stress gradient elasticity of Timoshenko beam and Kirchoff plate
- Gradient-induced boundary conditions for beams and plates in stress gradient elasticity
- Comparison of stress gradient elasticity theories by Forest and Sab and by Polizzotto

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