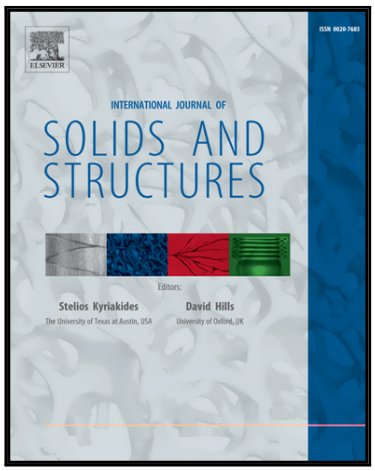

Creep buckling of cylinders under uniform external pressure: finite element simulation of buckling tests.

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Highlights

- gives a set of experimental results on creep buckling of thin cylinders under external pressure.
- compares 3 finite element modelling of creep buckling
- compares predicted values with experimental buckling times
- shows the power-law dependence of creep buckling time on the imperfection amplitude of the critical buckling mode
- proposes an efficient axisymmetric coupled Fourier model which is 100 times faster then standard 3D Shell finite element one.