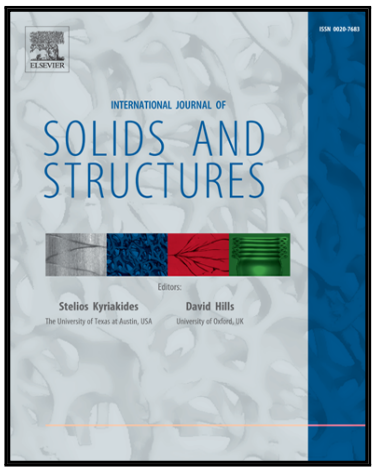

The critical neck spacing in ductile plates subjected to dynamic biaxial loading: On the interplay between loading path and inertia effects

J.A. Rodríguez-Martínez, A. Molinari, R. Zaera, G. Vadillo, J. Fernández-Sáez

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Highlights

- Plastic flow instability in ductile plates subjected to dynamic biaxial loading.
- The role of geometrical defects and loading path is analysed.
- The localization pattern is characterized with finite element simulations.
- Numerical results are compared against predictions of a linear stability analysis.
- The effect of the loading path and inertia on the necking pattern is brought to light.