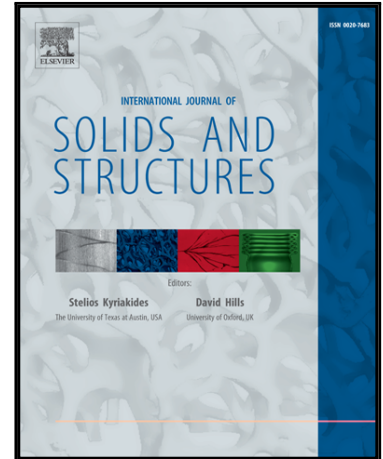


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A plastic flow rule representing corner effects predicted by rate-independent crystal plasticity

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Highlight

- Elastoplastic responses of rate-independent polycrystals are simulated under various nonlinear strain paths.
- A phenomenological plastic flow rule reproducing the corner effects is proposed.
- The advantage of the proposed flow rule for simulating the occurrence of a shear band is demonstrated.

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