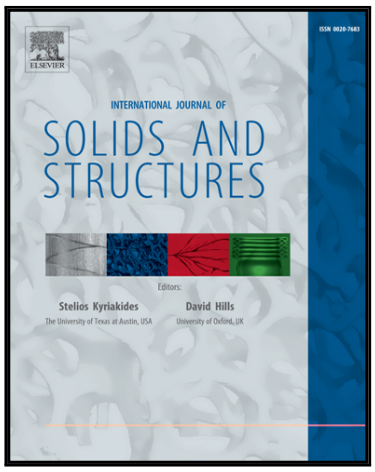

Energy dissipation during impacts of spheres on plates: Investigation of developing elastic flexural waves

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Highlights

- Derivation of a model for improved energetic analysis by modifying Zener's model
- Modelling the impact process as three distinct phases
- Comprehensive analytical alternative to the model of Koller
- Experimental validation of the proposed model using free fall tests