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The varying densification strain in a multi-layer aluminum corrugate structure: direct impact testing and layer-wise numerical modelling

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Highlights

The work submitted is on the direct impact testing of a corrugated Al structure which is considered to be which has not been investigated yet for impact properties. The work focusses on the layer-wise modelling of the corrugated layers to determine the densification strain as function of impact velocity. It was numerically shown that the densification strain increased with the velocity above a critical velocity.

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