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A Discontinuous Galerkin Material Point Method for the solution of impact problems in solid dynamics

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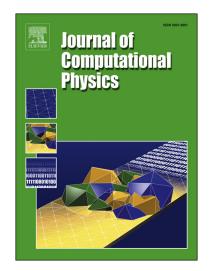
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Highlights

- Development of the Discontinuous Galerkin Material Point method
 von Neumann stability analysis of the DGMPM
 Analytical solution of a one-dimensional hyperbolic problem for a hyperelastic Saint-Venant-Kirchhoff material.

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