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Time-accurate calculation of two-phase granular flows exhibiting compaction, dilatancy and nonlinear rheology

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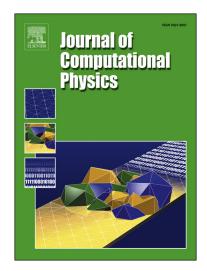
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Highlights

- Double projection method for 2-phase flow models with non-solenoidal velocity fields.
 Efficient numerical treatment of the compaction equation.

- Robust handling of complex granular rheology models.
 Numerical simulation of the collapse of a submerged granular column.

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