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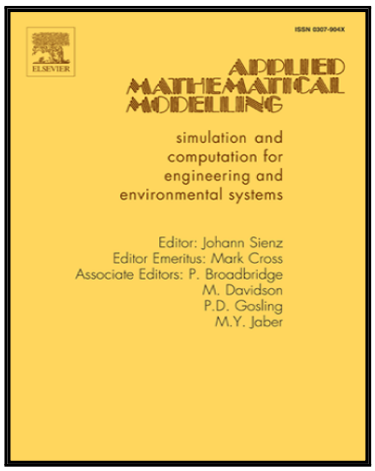

An approach to modeling blast and fragment risks from improvised explosive devices

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Highlights

- We develop a method for simulating improvised explosive detonation with fragments.
- The effect of charge shape on fragment acceleration is investigated.
- The probability of blast injuries is assessed from the simulations.
- The method is applied to model realistic scenarios involving improvised explosives.

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