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Energy dissipation from two-glass-bead chains under impact

Sheng Jiang , Luming Shen , François Guillard , Itai Einav

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Highlights

- Impact tests on two-glass-bead chains accompanied by micro-CT scan of crushed fragments are performed;
- Intermediate and large fragments are the main contributor of the newly created fragment surface area;
- Fragmentation of each glass bead satisfies a surface area fractal condition;
- Surface areas of undetected micro-cracks could considerably increase the energy conversion ratio.

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