Surface Deformation in Liquid-Solid Flows
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This research project presents experimental measurements of the approach and rebound of a particle colliding with a "deformable" surface in a viscous liquid.

Stokes number dependence:
- lubrication effect and elastic deformation
- negligible lubrication effect and elastic-plastic deformation

12.7 mm steel particle; \(U_i = 0.195\) m/s. Aluminum impact surface;
\(U_s = 0.185 \text{ m/s}, e = 0.68, H = 0.74 \mu\text{m}, Ra = 0.017 \mu\text{m}\)

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