

Abstract Submitted  
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**Fragility in dense suspensions** ROMAIN MARI, MIKE CATES,  
DAMTP - University of Cambridge — Dense suspensions can jam under shear when the volume fraction of solid material is large enough. In this work we investigate the mechanical properties of shear jammed suspensions with numerical simulations. In particular, we address the issue of the fragility of these systems, i.e., the type of mechanical response (elastic or plastic) they show when subject to a mechanical load differing from the one applied during their preparation history.

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