



Showcasing research from Professor Kunimasa Miyazaki's laboratory, Department of Physics, Nagoya University, Nagoya, Japan.

Pre-yielding mechanical response near the jamming transition

Jammed packings exhibit anomalous algebraic mechanical responses in both frequency and strain amplitude near the jamming transition point. Shown are particle non-affine displacements during relaxation after a sudden shear strain applied slightly above the jamming transition point. The strain amplitude lies in the “softening” regime, well below the yielding point. Reddish colors indicate larger displacements.

Image reproduced by permission of Kunimasa Miyazaki from *Soft Matter*, 2026, **22**, 2487.

As featured in:



See Hidemasa Bessho *et al.*, *Soft Matter*, 2026, **22**, 2487.