Coarse additions affect plasticity and toughness of soil mixtures, Part I: Particle size

last compiled Fri. 2022-08-12, 12:49 PM

# Core ideas

1. Particles 2000-425 µm do not interfere with the liquid and plastic limits.
2. Mixtures containing “oversize” particles behave more predictably than mixtures allowed by the current protocols
3. Estimated soil toughness is positively related to coarse addition particle size.
4. Particles 2000-425 µm should be left in the soil when comparing infield soils via Atterberg limit tests.

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