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Fundamentals Of Discrete Element Methods

Discrete element methods are relatively computationally intensive, which limits either the length of a simulation or the number of particles. Several DEM codes, as do molecular dynamics codes, take advantage of parallel processing capabilities (shared or distributed systems) to scale up the number of particles or length of the simulation.

Discrete element method - Wikipedia

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UNDERSTANDING THE DISCRETE ELEMENT METHOD

The discrete element method is a family of numerical methods for computing the motion of a large number of particles like molecules or grains of sand. From: Journal of Unconventional Oil and Gas Resources, 2015

Discrete Element Method - an overview | ScienceDirect Topics

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Provides the fundamentals of coding discrete element method (DEM) requiring little advance knowledge of granular matter or numerical simulation Highlights the numerical tricks and pitfalls that are usually only realized after years of experience, with relevant simple experiments as applications

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