

Understanding The Discrete Element Method Simulation Of Non Spherical Particles For Granular And Multi Body Systems

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Discrete element method is a numerical technique that calculates the interaction of a large number of particles. For particle flow simulations, this method calculates defined displacements and rotations of discrete bodies of various types of particle shapes, which can be predicted through the gathering of assembled particles.

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Continuum methods have been applied in these fields, but lack any intrinsic mechanism to account for the transitions, behavior that is inherently discontinuous. The "natural" approach is to use particle simulation methods, often called the "discrete element method", where bodies in the physical system and the simulation match one to one.

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