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Particle based computation of mechanics in granular multiphase electrodes

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Real Cathode [1]

- Active Material (Nickel-Mangenese-Cobalt Oxide, NMC)

- Binder (Polyvinylidene Flouride, PVDF)



Initial Structure

Random Close Packing Algorithm [2,3,4]

 δ_{II}

Create N particles in box



Institute for Applied Materials

Drop and Roll Algortihm [5]

Initial or reentry



