

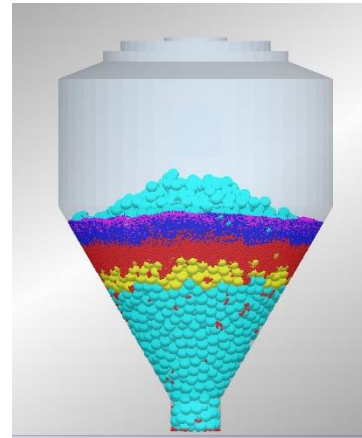
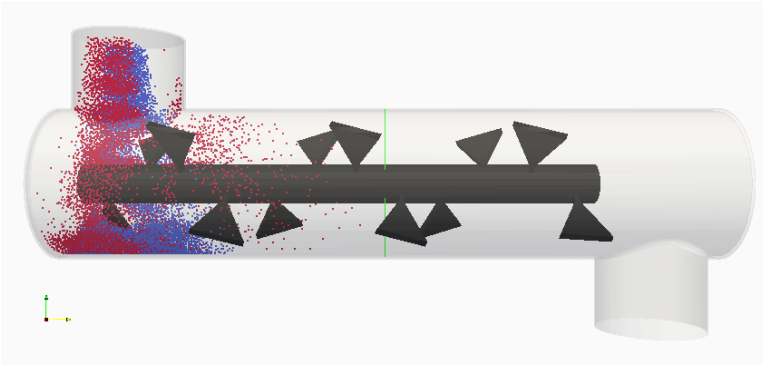


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### LIGGGHTS: LAMMPS Improved for General Granular and Granular Heat Transfer Simulations

Liggghts is an open source DEM simulation software – It’s free!

DEM simulations take weeks to complete. Liggghts is based on massively parallel algorithms and is capable of achieving high simulation speeds.



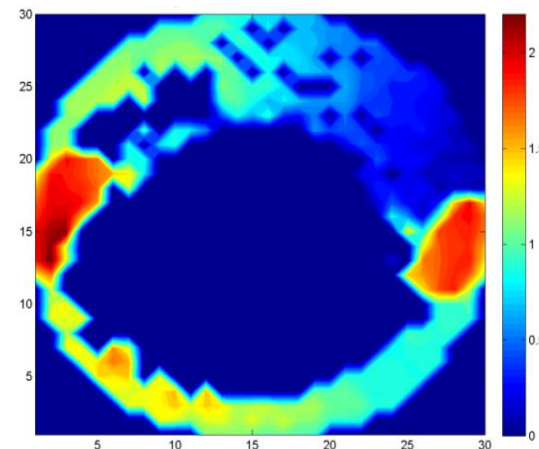
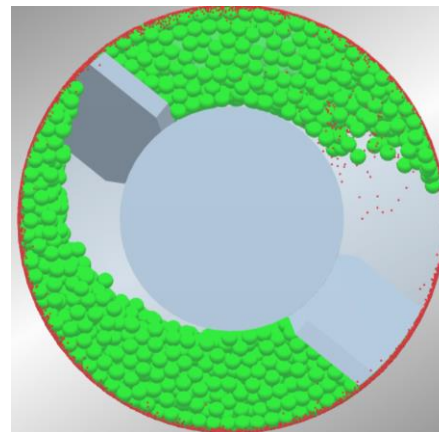
Bin Blender

**Other projects:**

- NIR probe location studies and mixing in a Bin blender
- DEM of high shear coating process

**Goal: Study of Continuous mixing process using LIGGGHTS**

- Understanding Liggghts
- Improving computational speed by parallelization.
- Model development using Liggghts



High shear coating