

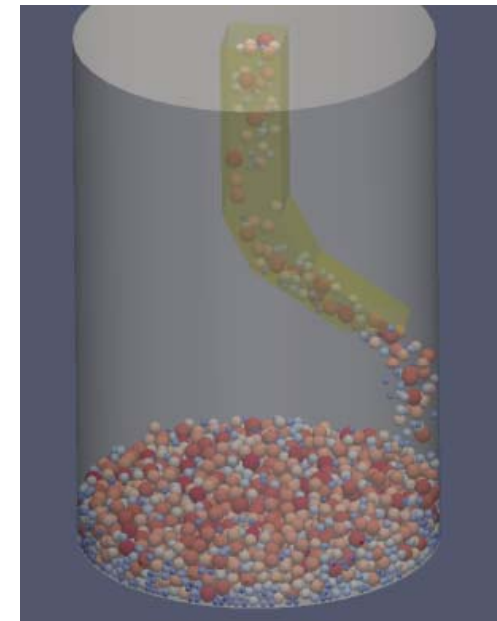
From LAMMPS to LIGGGHTS

Benchmark II vs. Commercial Software



Run-time comparison LIGGGHTS vs. Commercial Software

- Example of **rotating chute**
- Diameter distr. uniform [0.01-0.03] m
- particle flow rate ~540 particles/s
- $dt = 5e-5$ sec
- **3500 particles at end time of $t=6.5$ sec**
- **Serial** comparison
- Run on different machines and systems:
LIGGGHTS: 2 GHz Laptop under Fedora 11 32bit,
Commercial: 3 GHz Desktop under Win XP 32



Harnessing the Power of LIGGGHTS

Benchmark II vs. Commercial Software

