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NNLSQ

Grid in Cartesian coordinates

Two ways to generate noise/remove bias: coordinate-wise, or for each grid point (more expensive) Construct velocity moment matrix and solve

Grid in spherical coordinates

Equal volume/equal radius?

TODO

- V NTC collisions
- ✓ I/O of particle properties (basic)
- V Particle generation (equal weights)
- Z Properties computation
 - ✓ basic ones
- ✓ I/O of output
- Maxwellian test case (equal weights)
- Iwo species relaxation (equal weights)
- BKW test case (equal weights)
- Particle generation (variable weight)
- Grid merging
- Octree merging
- mixing rule VHS creator
- The science begins

TODO: features

- Add time to output (since we can change dt on the fly)
- Compute sigma_g_vhs directly (to avoid additional multiplication)

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TODO: tests

- \square energy / momentum conservation in scattering
- \square correct indexing
- 🗆 1D no merging, particles don't switch cells during variable weight collisions!!!