

N-body memory layout exploration

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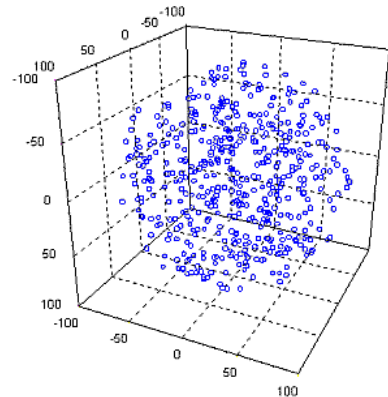
Structure

The task

Results

The n-body simulation

- ▶ simulate the interaction of n particles
- ▶ each particle has
 - ▶ position x
 - ▶ position y
 - ▶ position z
 - ▶ velocity x
 - ▶ velocity y
 - ▶ velocity z
 - ▶ mass



<http://astro.dur.ac.uk/nm/pubhtml/nbody/nbody.html>

Compare the memory structures