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Subject: Re: alternative to array of linked list  
Posted by [koldo](#) on Tue, 03 May 2016 13:36:57 GMT  
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It sounds very similar to SPH ( [https://en.wikipedia.org/wiki/Smoothed-particle\\_hydrodynamic s](https://en.wikipedia.org/wiki/Smoothed-particle_hydrodynamics)), but I do not understand the role of the cells. Questions:

- Is the number of particles "almost" the same in all simulation?
- How is every solving step/iteration?. In the "explicit" case:
  - First, are computed the forces that act over every particle?
  - Second, is the movement of every particle computed depending on the forces?

If the problem is similar to this, you can:

- use a fixed list of particles.
  - do a terrific parallelization :)
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