

Pencil Code User Meeting

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The Pencil Code User Meeting is an annual meeting dedicated to the Pencil Code. The purpose of the meeting is to bring regular users and core developers together to discuss scientific and technical progress since the last meeting, to instigate collaborative projects and to allow new users to learn more about the code and to interact with other users and developers. The Pencil Code Meeting 2009 will be held August 24-28 2009 at the Max-Planck Institute for Astronomy (MPIA) in Heidelberg, Germany.

The Pencil Code is a multipurpose code for massively parallel computing. It includes optionally hydrodynamics, magnetic fields, radiation, ionization, multi-species dust dynamics with coagulation, self-gravity and particles. It is developed and maintained under Subversion (SVN) by around 25 people with check-in permission and has been downloaded by around 500 registered users (without check-in permission). The code is tested nightly on several platforms and provides an excellent pedagogical tool for professional scientists as well as students to implement new code within an organized framework.

Topics

Here are some example topics that the meeting aims at covering:

- Recent science results obtained with the Pencil Code
- Physics recently added to the code, such as particle collisions
- Recently added visualization techniques, such as on-the-fly 3D rendering and spherical slices
- Technical issues
- Future improvements to the code

For further information please look up the website.