

News

October 28 2012 Moose 2.0.0 "Kalakand" released!

More News

October 1 2012

Moose 2.0.0 "Kalakand" coming soon!

November 23 2011

Moose Beta 1.4.0 released!

September 26 2011 Prototype reaction-diffusion calculations implemented.

May 26 2011 Cambridge 2011 meeting: EUIndiaGrid2 Biology Grid and Cloud Workshop

This meeting had a focus on the use a range of computing approaches, including Grid and Cloud computing, to work on complex biological problems. Upi described Multiscale Modelling with MOOSE. In addition, in a post-meeting coding session, Steve Andrews (the author of Smoldyn) and Upi worked on incorporating MOOSE models into Smoldyn so that Smoldyn could do the calculations and MOOSE could read out molecule numbers as the calculation progressed.

March 15 2011

Revamped base code, with multithreading and improved MPI capability. Starting to port biological objects and Python interface on top of new code.

November 12 2010

MOOSE Beta 1.3 release. New and improved GUI.

May 6 2010

Simple automatic load balancing for parallel simulations is working.

March 30 2010

Prototype multi-threading framework in place.

December 30 2009

Support being added for visualization at single-particle resolution.

November 27 2009

OpenGL based visualization ported to Windows.

November 3 2009

Reading NeuroML: Multiple detailed models (exported from neuroConstruct) read in and tested successfully.

October 14 2009

OpenGL based visualization tested on Mac and Linux platforms.

September 21 2009

Code implemented to scan / solve for steady states in a chemical kinetic system directly. Uses: dose-response curves, finding all stable states, etc.

September 12 2009

GLcell, the OpenSceneGraph based 3D visualization widget for MOOSE, works with basic functionality.

July 17 2009

Beta 1.2.0 released! Windows installer is also available.

Binaries available for download [here](#).

June 30 2009

Framework in place for standard graphical interface for MOOSE simulations, using PyQt.

May 20 2009

Feature freeze for Beta 1.2.0

March 31 2009

SBML capability nearly functional.

February 10 2009

SBML interoperability in testing.

November 15 2008

Parallel test on 64 node cluster.

October 17 2008

Moose Beta 1.1.0 released!

September 24 2008

Separated out release branch for testing on all platforms.

August 25 2008

Main branch: Preparing release packages for Debian and Fedora.

Parallel branch: Parallel MOOSE clears preliminary multi-node unit and regression tests.

August 9 2008

MOOSE ported to Windows using the Microsoft Visual C++ compiler as well as the MinGW system.

July 11 2008

Beta 2 release pushed back, probably to August. Validation of solvers and array elements has spilled over.

May 24 2008

Feature freeze for June Beta 1.1 release: Array objects, array messages, and new neuronal solver.

May 05 2008

Initial array messaging and array object creation working.

March 25 2008

Major rewrite of messaging code to facilitate array messaging.

Feb 04 2008

Early production simulations show ~40x speedup compared to GENESIS for a reaction-diffusion synaptic signaling model.

January 7 2008

MOOSE Beta 1.0.0 released!

December 18 2007

Successful run of spatially complex 3-D Monte Carlo model including diffusion and multiple reflecting surfaces, using MOOSE interface to Smoldyn.

December 2, 2007.

Kinetic models in MOOSE clear benchmark compatibility tests against old GENESIS.

November 16 2007.

Visit of our collaborators from CRL Pune concludes with a target for the first beta release of MOOSE: January 7 2008!

November 14 2007.

The CRL Pune cluster is rated #4 in the world top 500 computers. Congratulations to the team in anticipation of having really big MOOSE models coming up soon.

October 16 2007.

Automatic management of kinetic solution engines implemented. It is now able to switch between several numerical integration methods.

August 15 2007.

Automatic scheduling of objects implemented. This includes assignment to a given clock, and where appropriate, to a solver.

July 12 2007.

Hsolve (Hines solver for fast compartmental modeling) incorporated into main branch.

July 5 2007.

Kinetic solver now handles most DOQCS models.

June 29 2007.

MOOSE webpage has gone live!

June 22 2007.

MOOSE web page shifted over to a Joomla content management system. This should ensure better looking web pages and more frequent updates.