

CIG Geodynamo Activity

2007



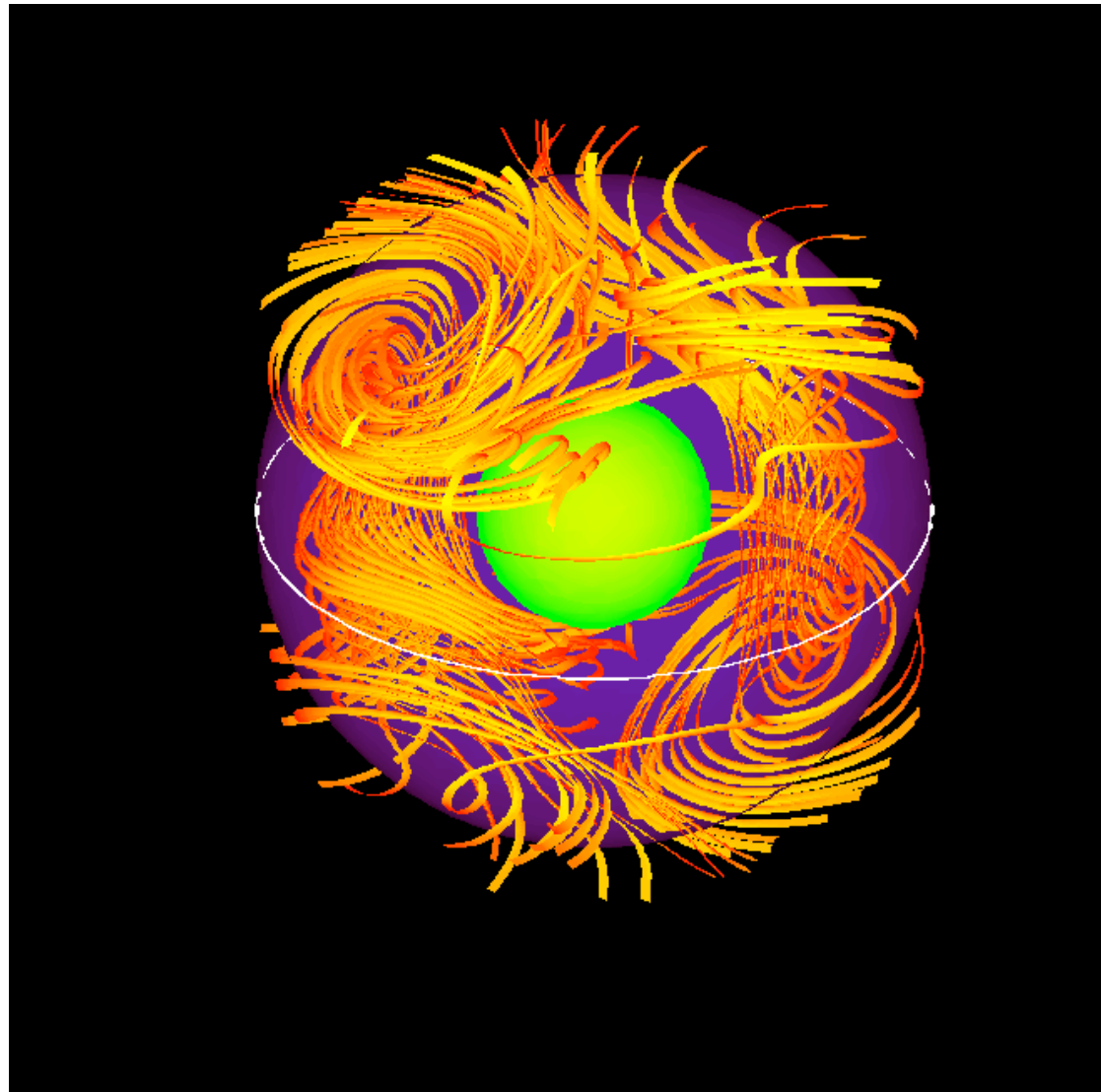
www.geodynamics.org

Peter Olson
CIG Business Meeting
2007 Fall AGU

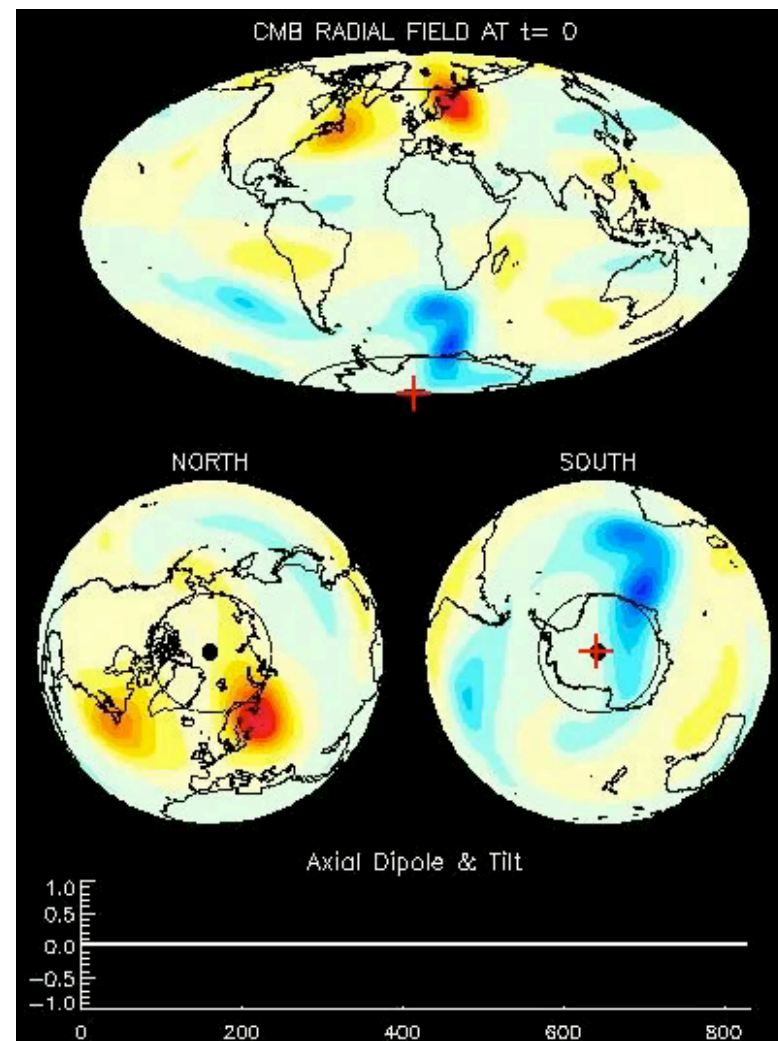
Accomplishments 2007

- MAG version 1.01 release
(adds: Gauss coefficients for external field representation, new boundary conditions, etc.)
- Analysis/visualization tools (volume rendering, magnetic field and electric current rendering, movie-making)

Magnetic Field Line Rendering



Movies



Short-term goal: construct web portal (Wei Mie)

COMPUTATIONAL INFRASTRUCTURE FOR GEODYNAMICS
CALIFORNIA INSTITUTE OF TECHNOLOGY

MAG

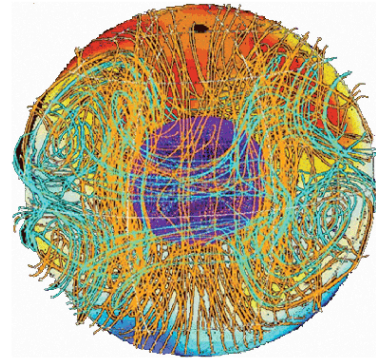
Web Portal

Version 1.0

[Login](#)

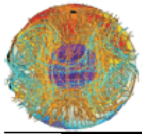
Are you a new user? If so, please [register](#).

If you need help, [contact us](#).



Sponsored by:





home

simulations

input files

profile

home

quick start

To set-up a new simulation, proceed as follows:

1. Click "Simulations".
2. Click "New...".
3. Enter the parameters for the simulation.
4. Click "Run".

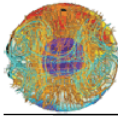
contact

Please send bug reports and suggestions to portal@geodynamics.org.

additional documentation



[MAG User Manual](#)



MAG

Web Portal

Welcome, Wei (wei). [logout](#)

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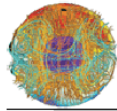
profile

input data files

New...

Upload...

You have no inputdatafiles.



MAG

Web Portal

Welcome, Wei (wei). [logout](#)

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simulations

new simulation

Show Help

name:

Longitudinal Symmetry

Logitudinal Symmetry: 4-fold global symmetry ▾

Spherical Harmonic Truncation Order

Spherical Truncation Order: 32 ▾

Input Parameter File

parameter file:

Save

Save & Run

Longer Term Goals

- User Group
- Scalable parallel dynamo code