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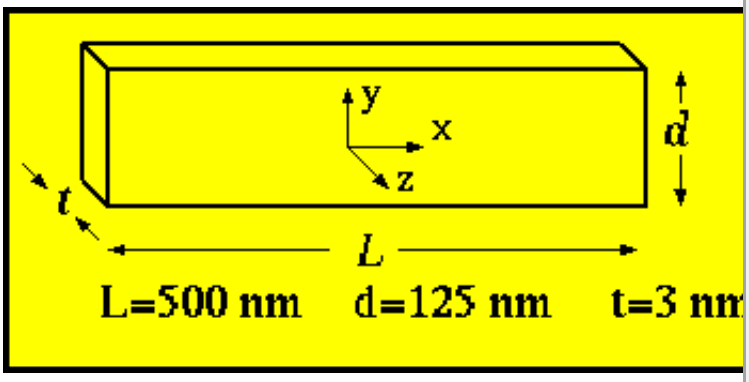
Public Code

- OOMMF
- SimulMag
- MAGPAR
- Nmag

Meeting Reports

- Initial workshop
  - Action Plan
- Nov. 1995
- Jan. 1998

µMAG Standard Problem



Problem brainstormed by Bob McMichael, Roger Koch a
McMichael.

Please send comments to rmcmichael@nist.gov and join t

Sets of solutions are available.

Specifications

Standard problem #4 is focused on dynamic aspects of m
equilibrium s-state such as is obtained after applying and
to zero. Fields of magnitude sufficient to reverse the magn
the time evolution of the magnetization as the system move
problem will be run for two different applied fields.

Geometry:

A film of thickness, t=3 nm, length, L=500 nm and width,

Material parameters:

Similar to Permalloy:

A = 1.3e-11 J/m (1.3e-6 erg/cm)
M_s = 8.0e5 A/m (800 emu/cc)
K = 0.0

The dynamics, calculated either using the Landau-Lifshitz