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Stirring and Mixing:
Topology, Optimization, and those Pesky Walls

I review various aspects of current research, both experimental and theoretical, on stirring and mixing in fluids. Three main threads are followed: 1) How topological features influence mixing effectiveness; 2) How this leads to novel optimization methods; and 3) How one has to be mindful of wall effects, which can dramatically slow down mixing.

Tea, coffee, and cookies at 3:30 pm in the 415 Riddick.

Website: http://nile.physics.ncsu.edu/cmb-seminar/

Mailing List: Send “subscribe cmb_seminar” to mj2@lists.ncsu.edu or email Karen Daniels (Karen_Daniels@ncsu.edu)