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# Computational Fluid Mixing Elizabeth Marden

**lecture 1 - the colorful fluid mixing gallery** - 2 fluid dynamics • fluid dynamics is the science of fluid motion. • fluid flow is commonly studied in one of three ways: - experimental fluid dynamics. **static mixing, reaction, heat transfer & fluid dynamics ...** - stamixco static mixing, reaction, heat transfer & fluid dynamics technology ...equipment with no moving parts for the continuous processing of polymers, liquids  
**lecture 6 - boundary conditions applied computational ...** - 5 neumann and dirichlet boundary conditions • when using a dirichlet boundary condition, one prescribes the value of a variable at the boundary, e.g.  $u(x) = \text{constant}$ . **characterization and simulation of hydrodynamics in the ...** - 26 august 2017 if the stokes number is small (st