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turbulence, but an interesting case is, of course, that of a constant D. $\partial c / \partial t = D \partial^2 c / \partial x^2$. (2.4) Initial and boundary conditions The above diffusion equation is hardly solved in any general way. Each solution depends critically on boundary and initial conditions specific to the problem at hand.

Chapter 2

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If first grid point is too close (viscous layer) then the velocity is: $u^+ = y^+ ME4698/3/G1 21$ Near Wall Region Modeling From a physical point of view: it is important because solid walls are the main source of vorticity and turbulence (local extrema of turbulent kinetic energy, large variations of turbulence dissipation, etc.)

Simulation of Turbulent Flows - Stanford University

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