

6.339: NUMERICAL METHODS FOR PARTIAL
DIFFERENTIAL EQUATIONS
PROJECT TWO: FINITE VOLUME METHODS

Ali Ramadhan[†] (alir@mit.edu)

[†]Department of Earth, Atmospheric, and Planetary Sciences

In this project, we will utilize finite difference methods to solve the two-dimensional time-dependent Euler equations, a set of quasilinear hyperbolic partial differential equations, for the pressure field of a fluid flowing around a small perturbative bump.