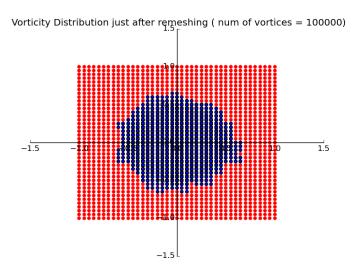
AE 625 -Particle Methods in Fluid Flow Simulation

Assignment 6: Report Diffusion of a point Vortex using RVM

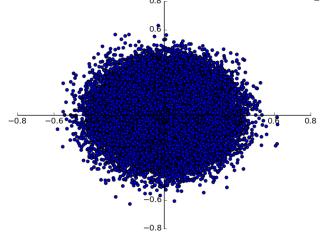
Aditi Taneja

Remeshing and Vortex Blob distribution and Relative Error Distribution

Gridsize = 41 * 41 $x_limit = -2to2$ $y_limit = -2to2$



ticity distribution after 1 sec with num of vortices = 100000.(Using delta_t = 0.:



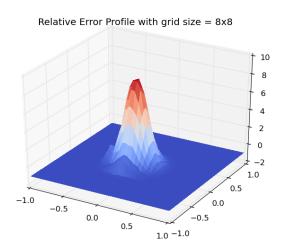


Figure 1: Comparision between the RVM method and Exact Solution

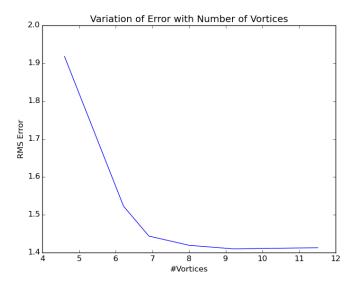


Figure 2: Variation of RMS error with number of vortices $\,$