

Surface Plots and Contours of Numerical Forecasting using the Barotropic Vorticity Equation

Benjamin Parry

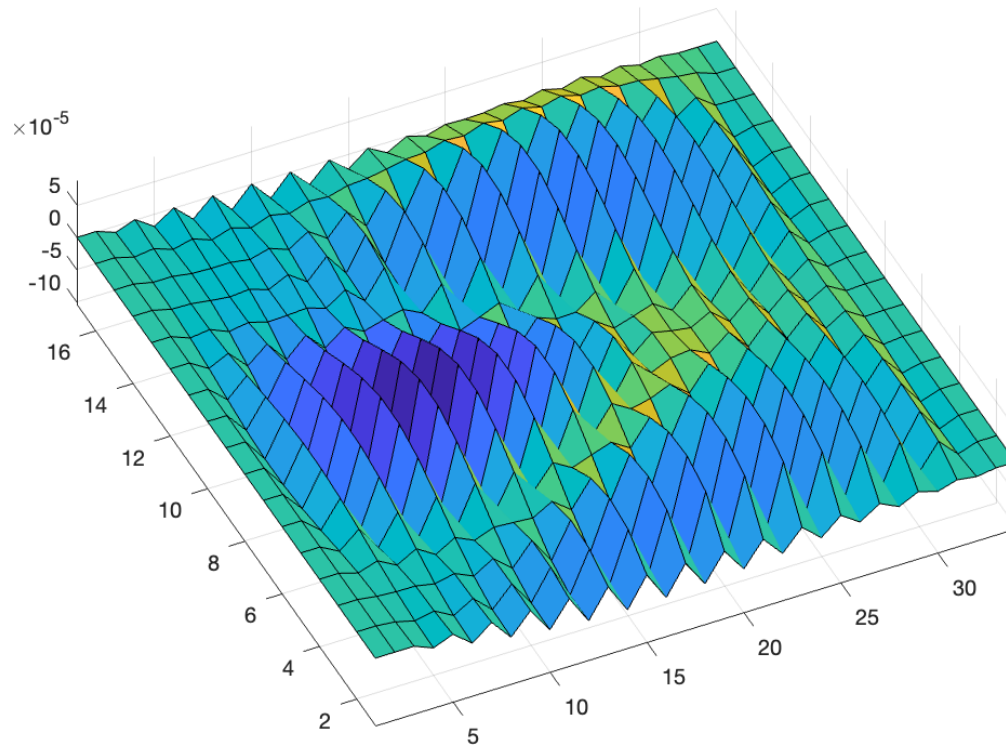
May 2023

Florida State University

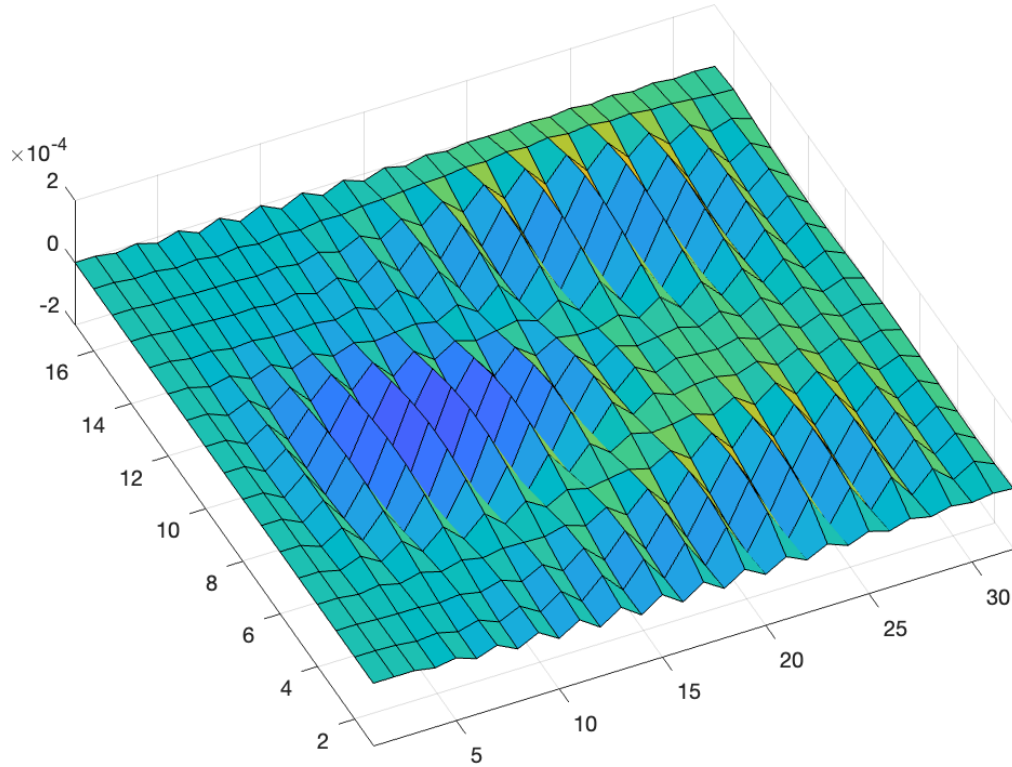
1 Surface Plots and Contours:

Surface Plots:

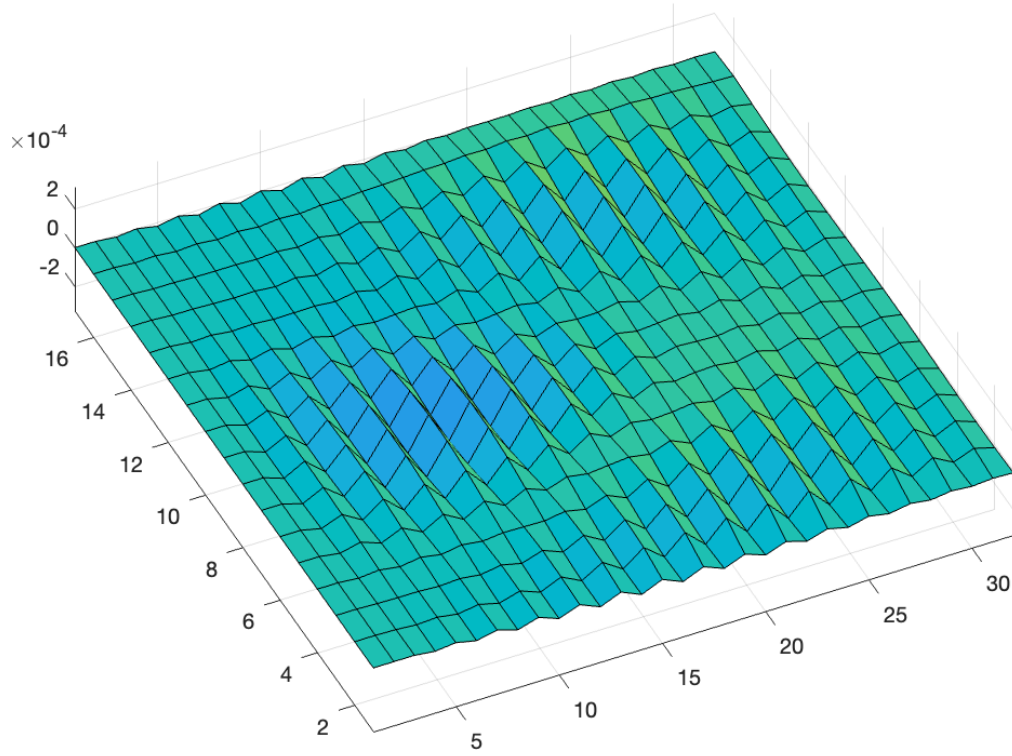
A Surface Plot of Relative Velocity with $dt=30\text{min}$ at $t=0.0\text{hr}$



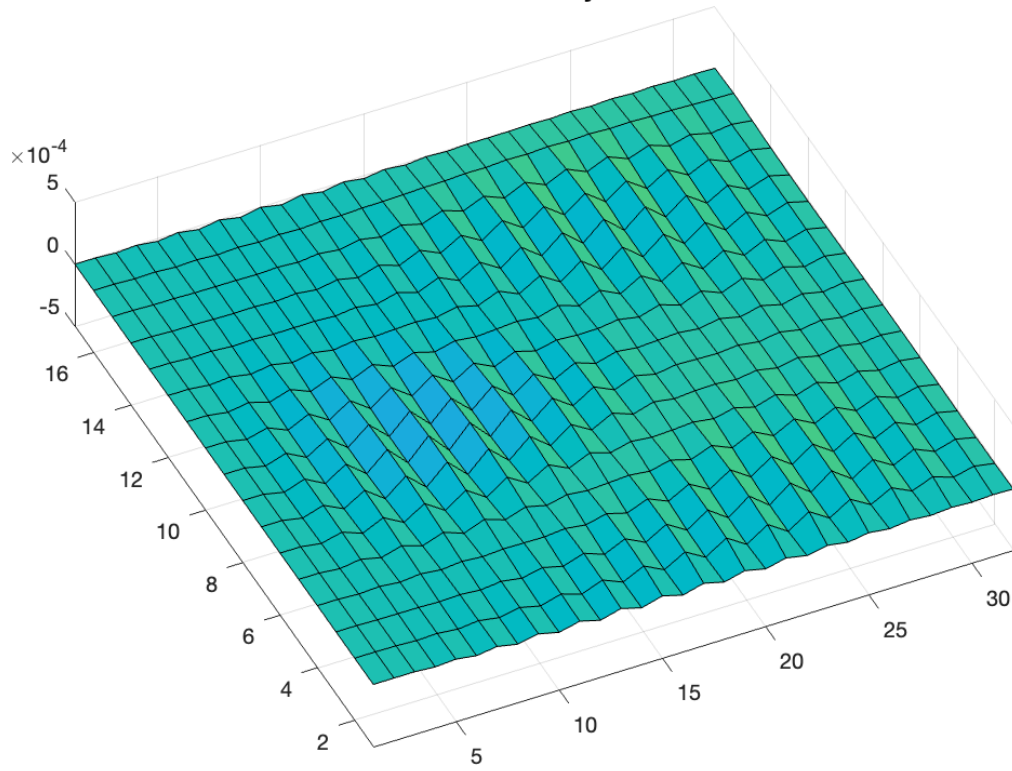
A Surface Plot of Relative Velocity with $dt=30\text{min}$ at $t=0.5\text{hr}$



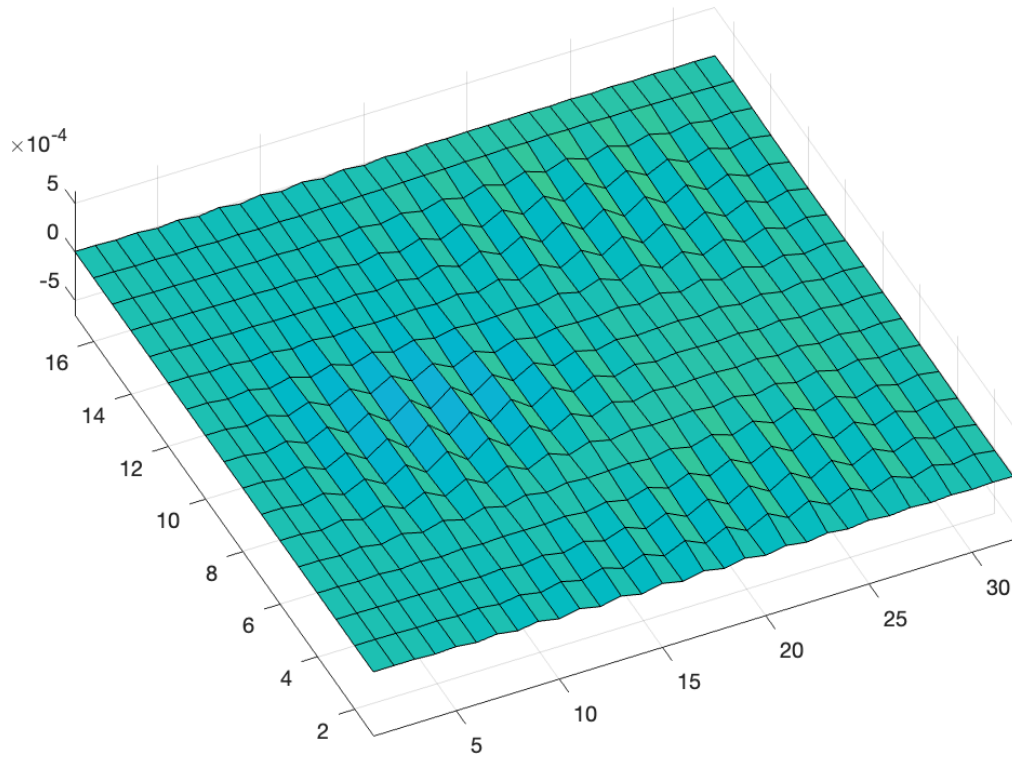
A Surface Plot of Relative Velocity with $dt=30\text{min}$ at $t=1.0\text{hr}$



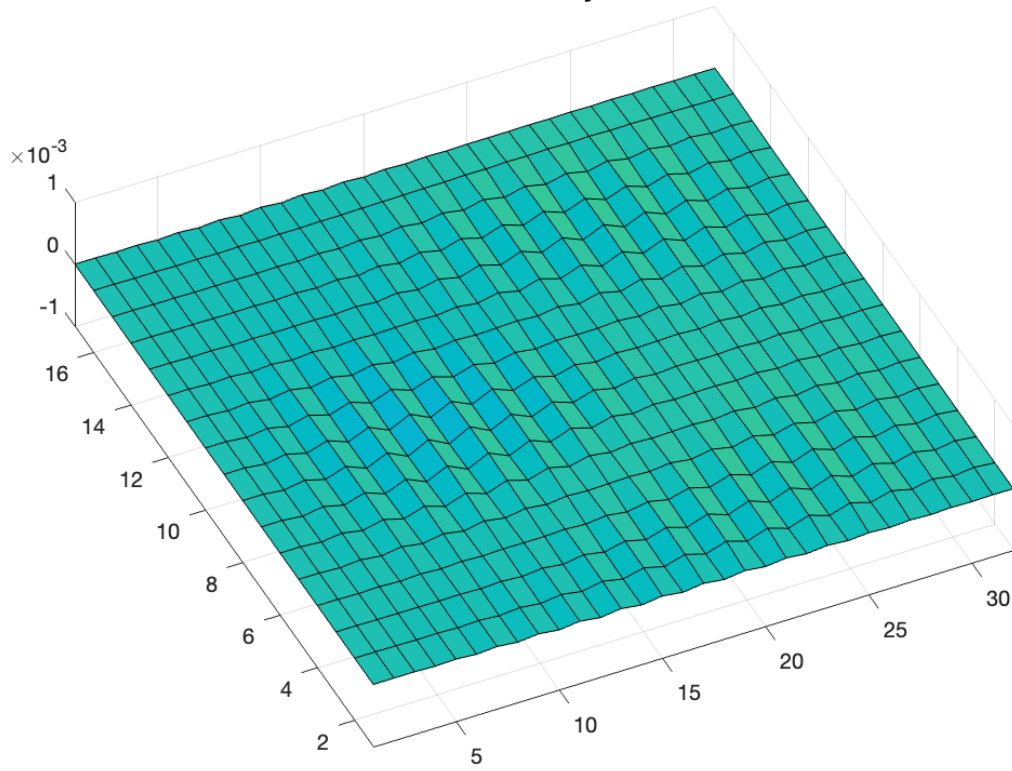
A Surface Plot of Relative Velocity with $dt=30\text{min}$ at $t=1.5\text{hr}$



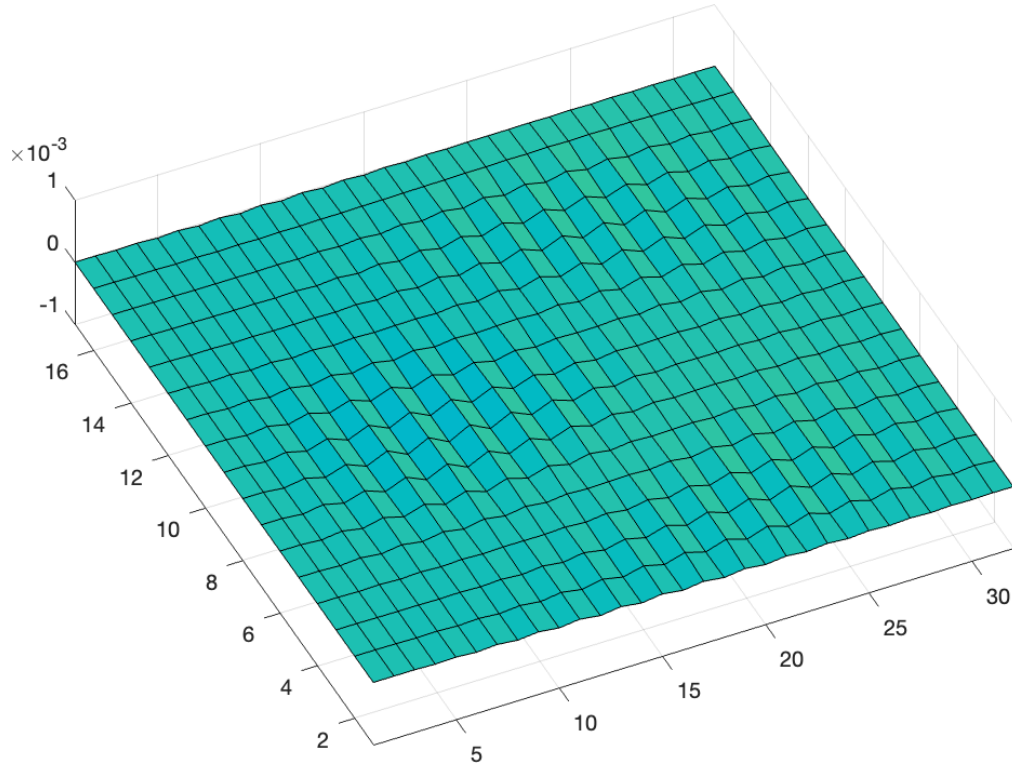
A Surface Plot of Relative Velocity with $dt=30\text{min}$ at $t=2.0\text{hr}$



A Surface Plot of Relative Velocity with $dt=30\text{min}$ at $t=2.5\text{hr}$

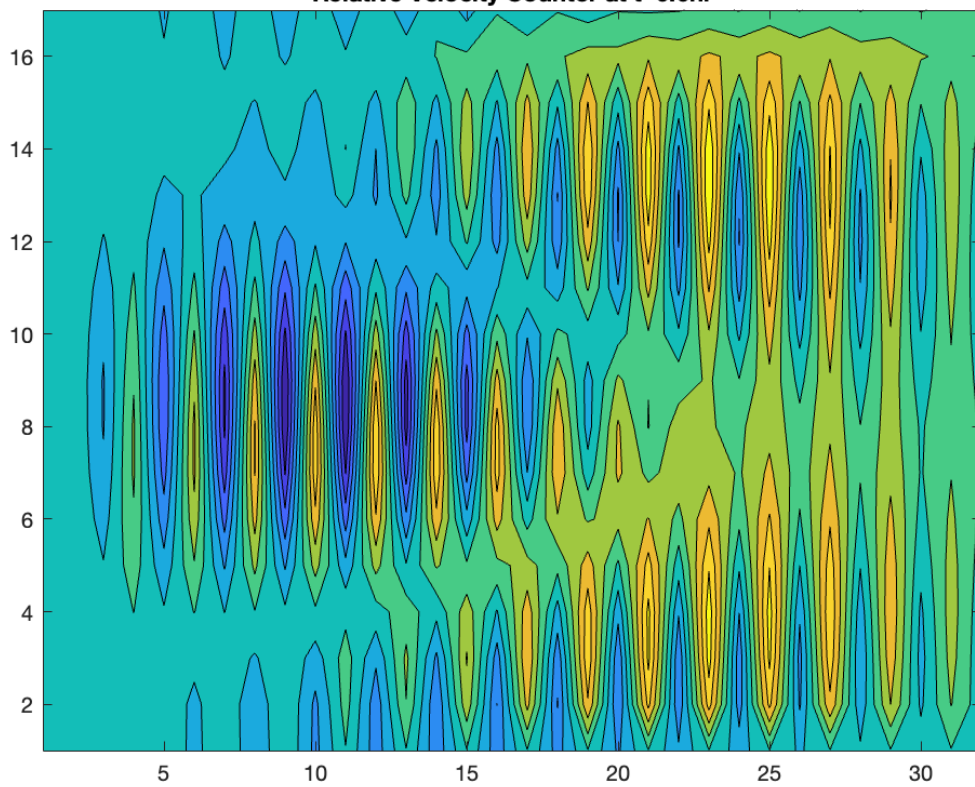


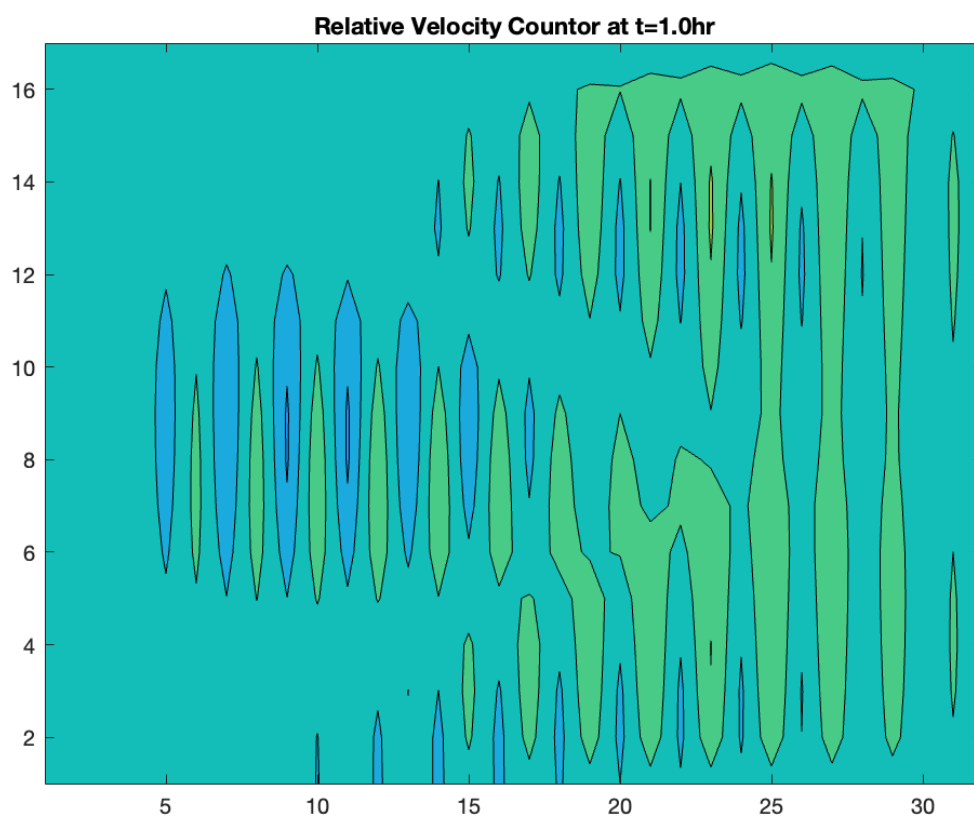
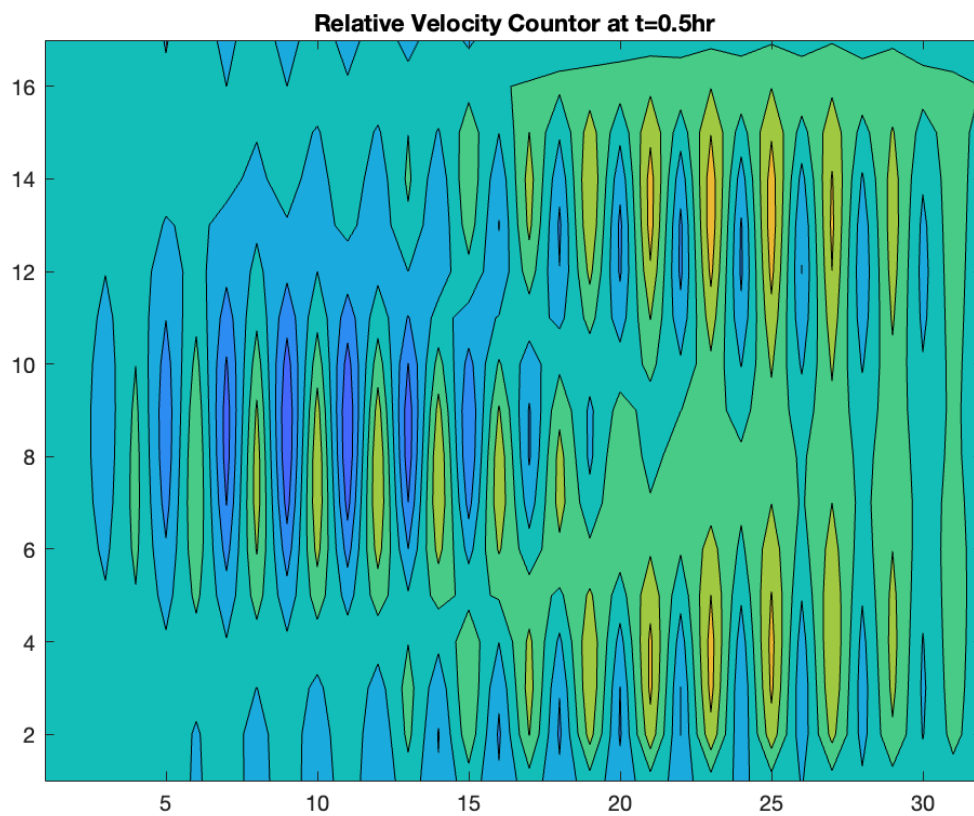
A Surface Plot of Relative Velocity with $dt=30\text{min}$ at $t=3.0\text{hr}$

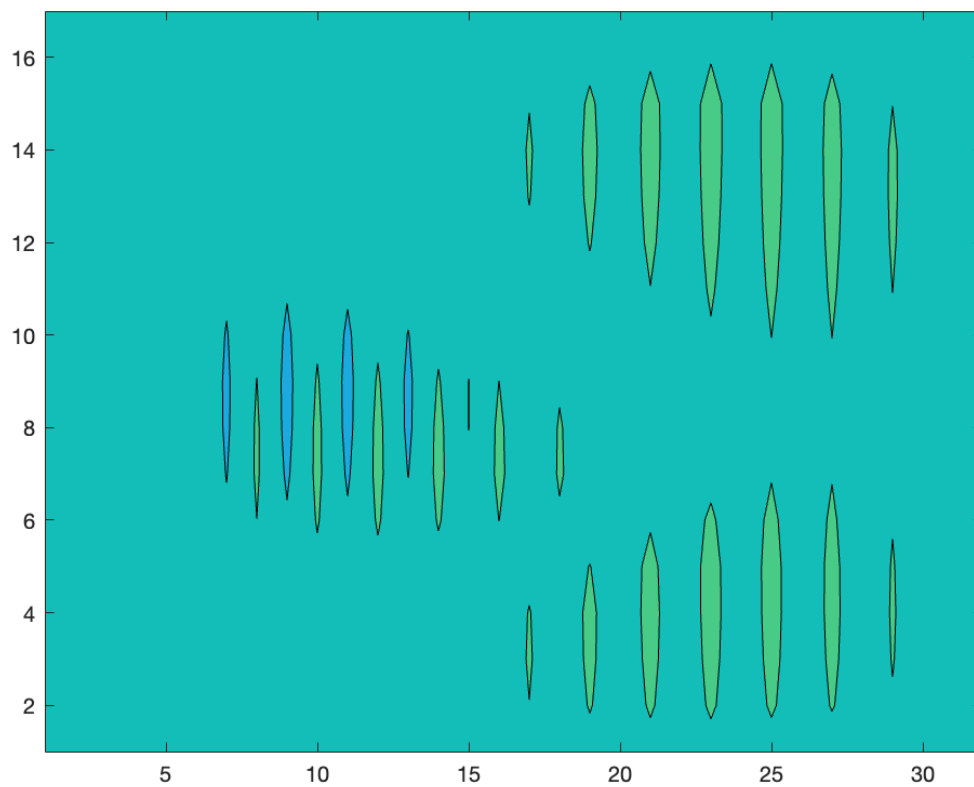


Contours:

Relative Velocity Contour at $t=0.0\text{hr}$







Relative Velocity Contour at t=2.0hr

