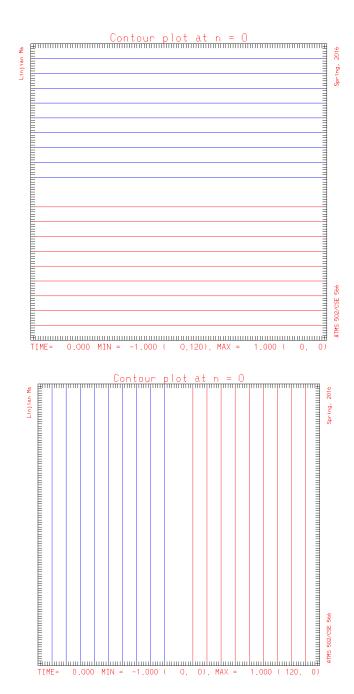
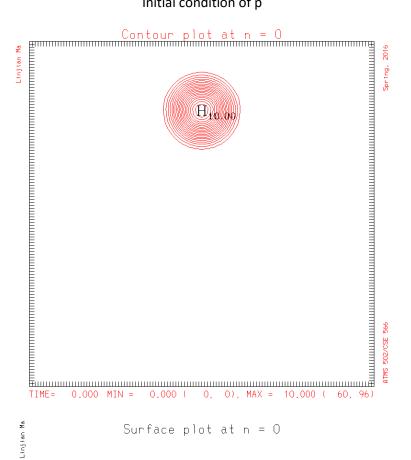
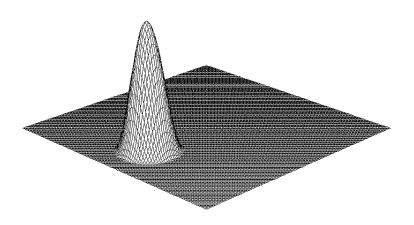
Initial condition of U and V



Initial condition of p

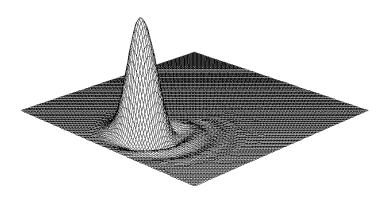


Surface plot at n = 0

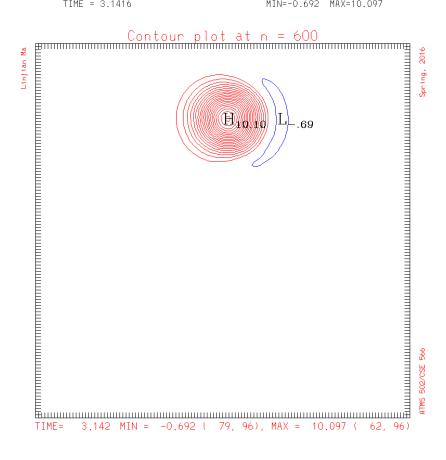


Final result of lax method

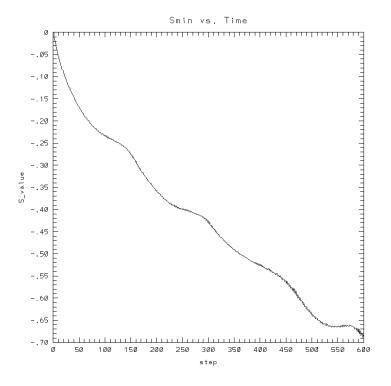
Surface plot at n = 600

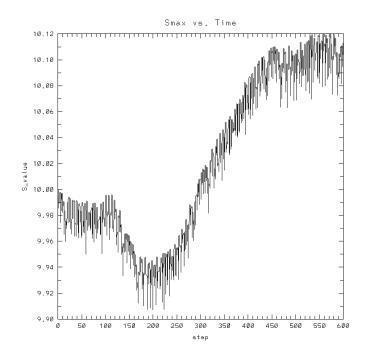


Spring, 2016 TIME = 3.1416 ATMS 502/CSE 566 MIN=-0.692 MAX=10.097

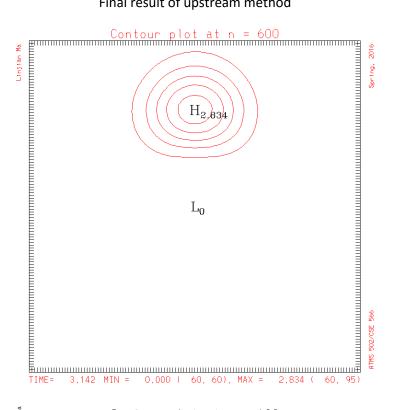


Error analysis of Lax method

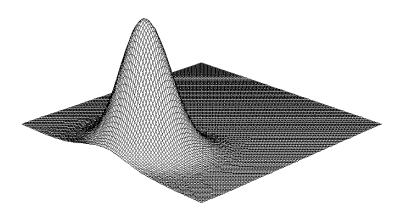




Final result of upstream method

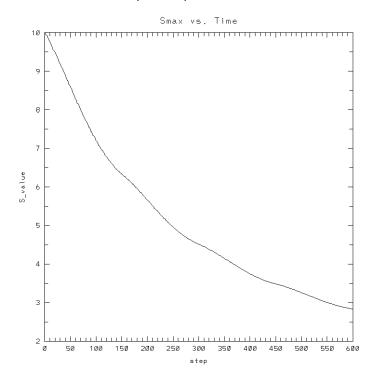


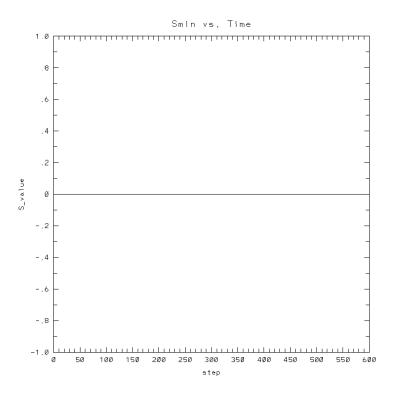
Surface plot at n = 600



Linjian Ma

Error analysis of upstream method





Error analysis data

Lax_Wendroff:

correlation = 0.98229

total error = 0.03086

dissipation error = 0.00003

dispersion error = 0.03085

Upstream:

correlation = 0.79974

total error = 0.40822

dissipation error = 0.24175

dispersion error = 0.16652