

AM 260 - Computational Fluid Dynamics: Homework 3

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Problem 1: Lax-Friedrichs Method

Problem 2: Lax-Wendroff Method

Problem 3: von Neumann Stability Analysis

Problem 4: Modified Lax-Friedrichs Coefficient

Problem 5: von Neumann Analysis of the Heat Equation

Problem 6: Sinusoidal Adv. with LF

Problem 7: Discontinuous IC with LF

Problem 8: Sinusoidal Adv. with LW

Problem 9: Discontinuous IC with LW