Gamma Control Analysis - gamma_experiment_20250702_074701 **Violations vs Gamma Penalty Cost vs Gamma** 10 400 350 8 300 **Number of Violations Total Penalty Cost** 200 150 150 100 2 · 50 0 10³ 10² 10⁰ 10¹ 10¹ 10² 10⁰ Gamma (γ) - Penalty Factor Gamma (γ) - Penalty Factor **Violation Flow vs Gamma Gamma Effectiveness (Lower = Better)** 10 1.0 8 0.8 Normalized Violations
7.0
9.0 **Total Violation Flow** 0.2 Analysis Summary:

Gamma range: 1.0 - 800.0

Total violations: 24 0.0 10³ 10² 10^{1} Max penalty cost: 400Optimal gamma: 400.0 Gamma (y) - Penalty Factor

Gamma Test Number