

# **Solutions to Riemann Problems using Godunov's Method and the Exact Riemann Solver**

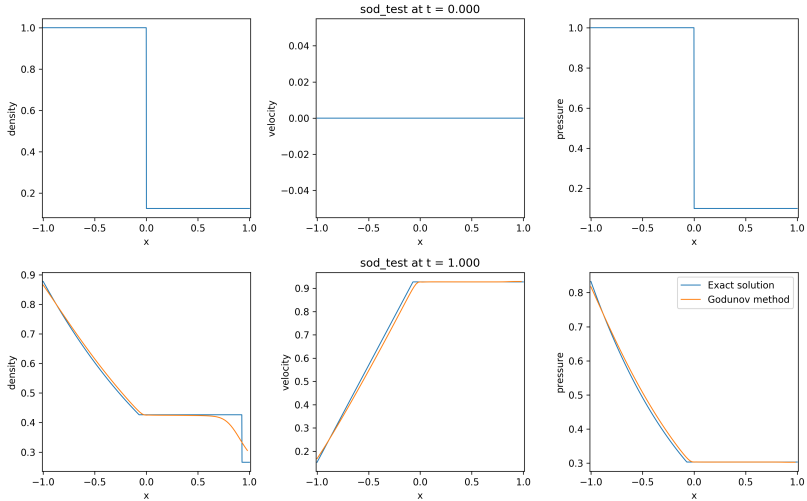
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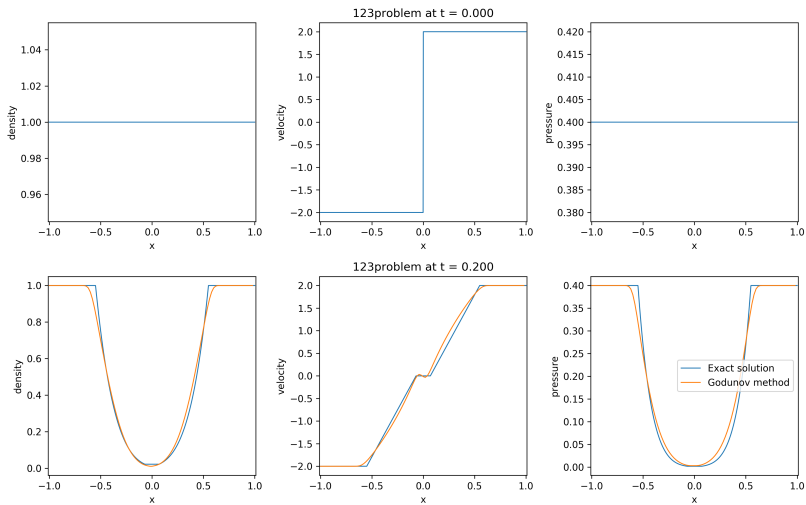
Mladen Ivkovic

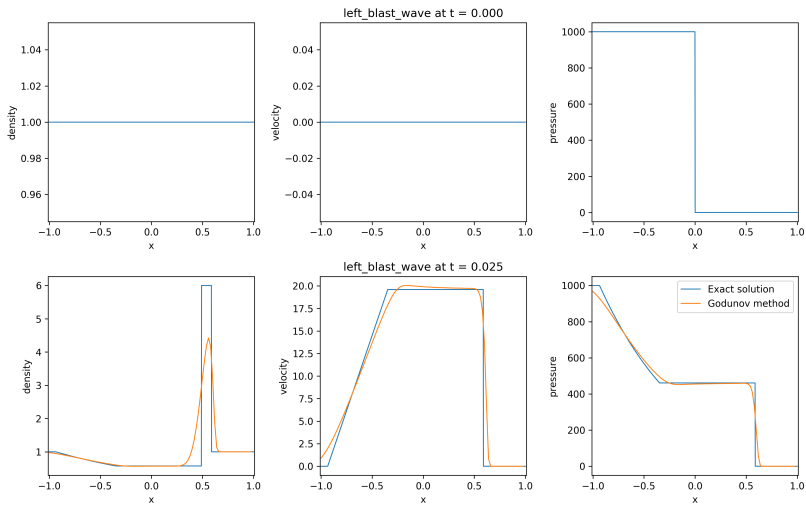
February 2019

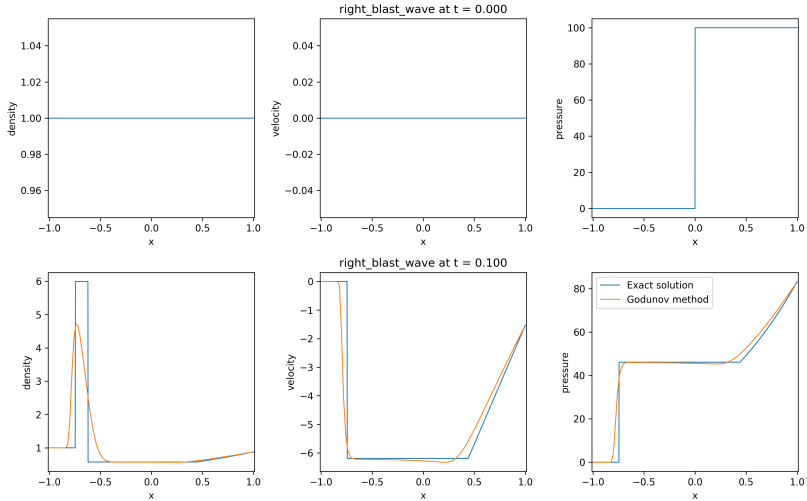
$$nx = 100$$

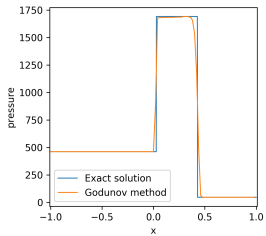
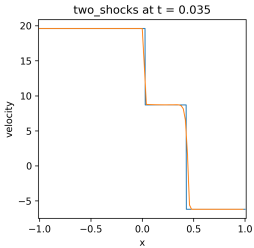
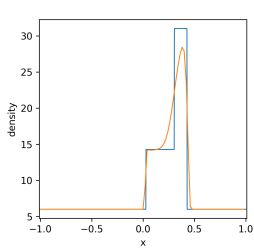
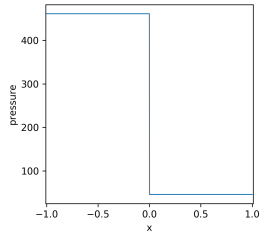
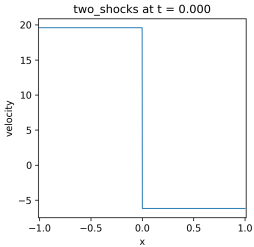
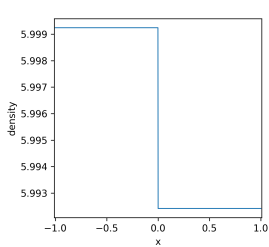
$$nx = 100$$











**$nx = 1000$**

$nx = 1000$



