Grid Convergence Study: Hagen-Poiseuille Flow
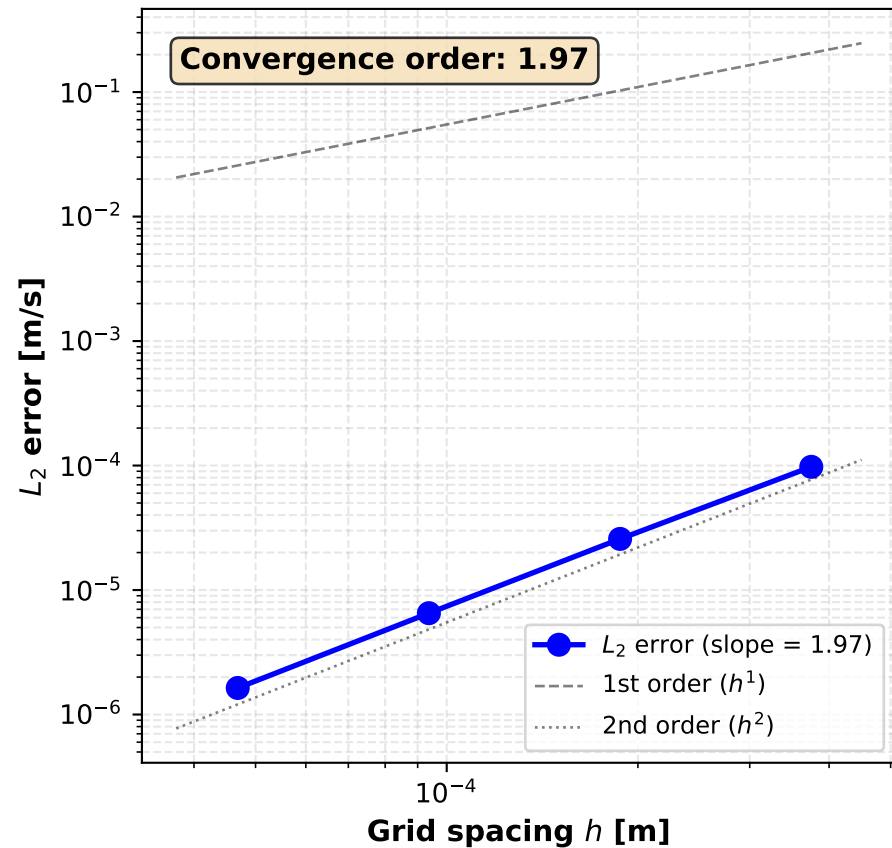
L_2 Error Convergence

Convergence order: 1.97

- L_2 error (slope = 1.97)
- 1st order (h^1)
- 2nd order (h^2)

L_2 error [m/s]

Grid spacing h [m]

L_∞ Error Convergence

Convergence order: 1.81

- L_∞ error (slope = 1.81)
- 1st order (h^1)
- 2nd order (h^2)

L_∞ error [m/s]

Grid spacing h [m]