

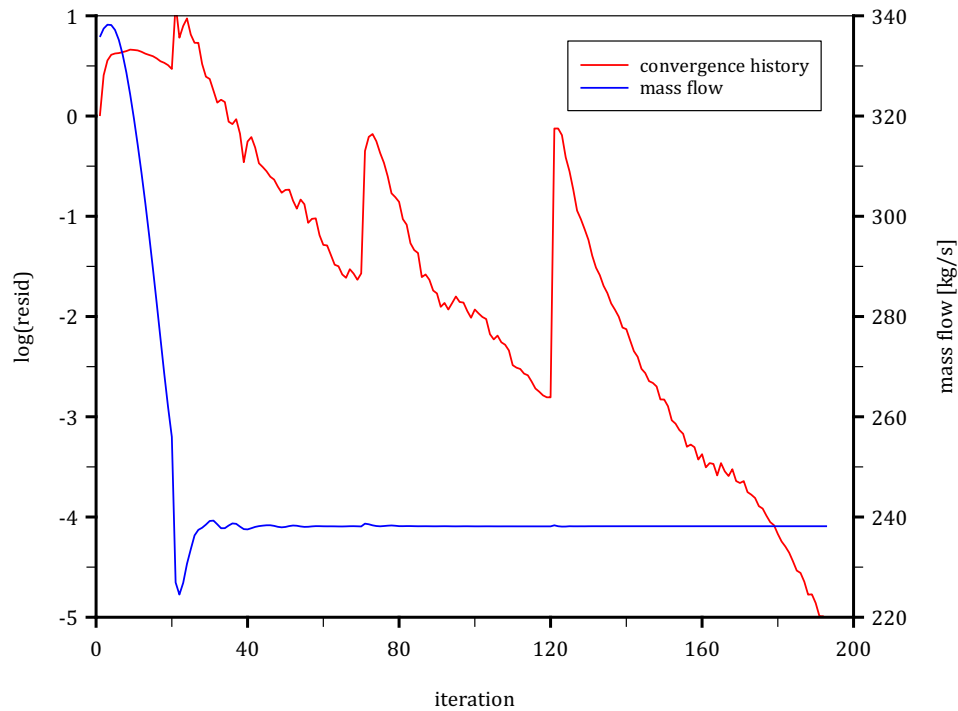
Solution of Quasi 1-D Euler Equations (Laval Nozzle)

CUSP scheme with original (SLIP) limiter and multigrid with 5 grid levels:

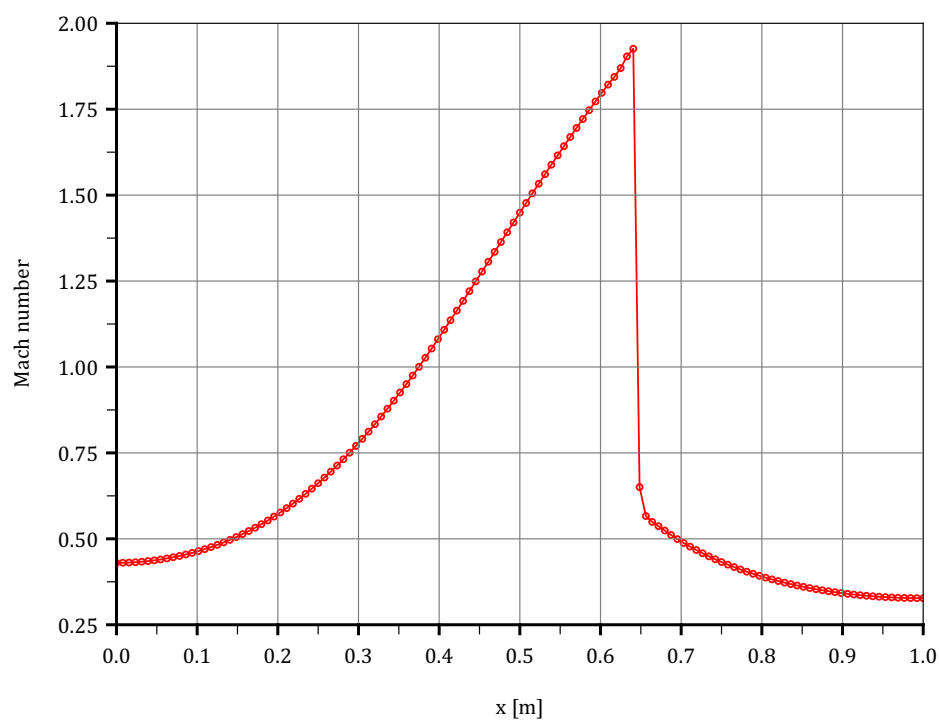
$$\sigma = 4.5, \varepsilon = 0.8.$$

Boundary conditions:

$$p_{t,in} = 1.0 \cdot 10^5 \text{ Pa}, T_{t,in} = 288.0 \text{ K}, p_{out} = 7.0 \cdot 10^4 \text{ Pa}.$$



Convergence history.



Mach number distribution over nozzle length.