Numeric solution for different
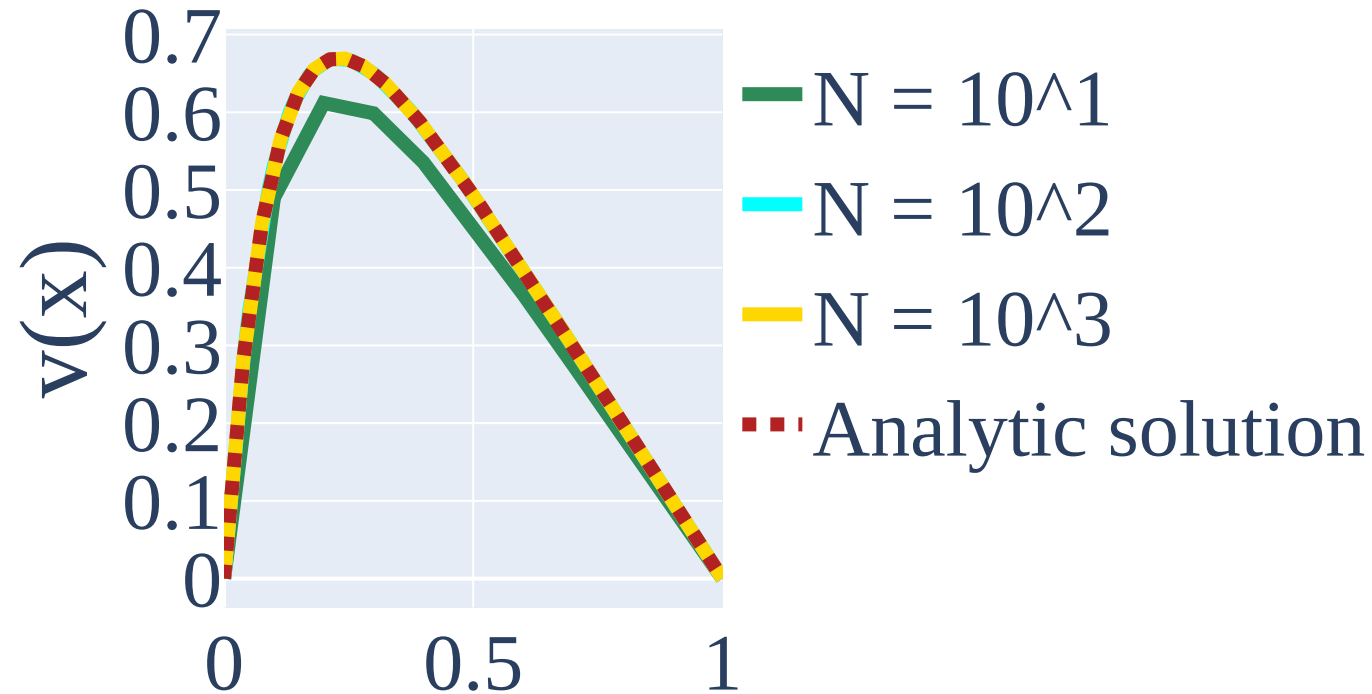

N = 10^1
N = 10^2
N = 10^3
Analytic solution