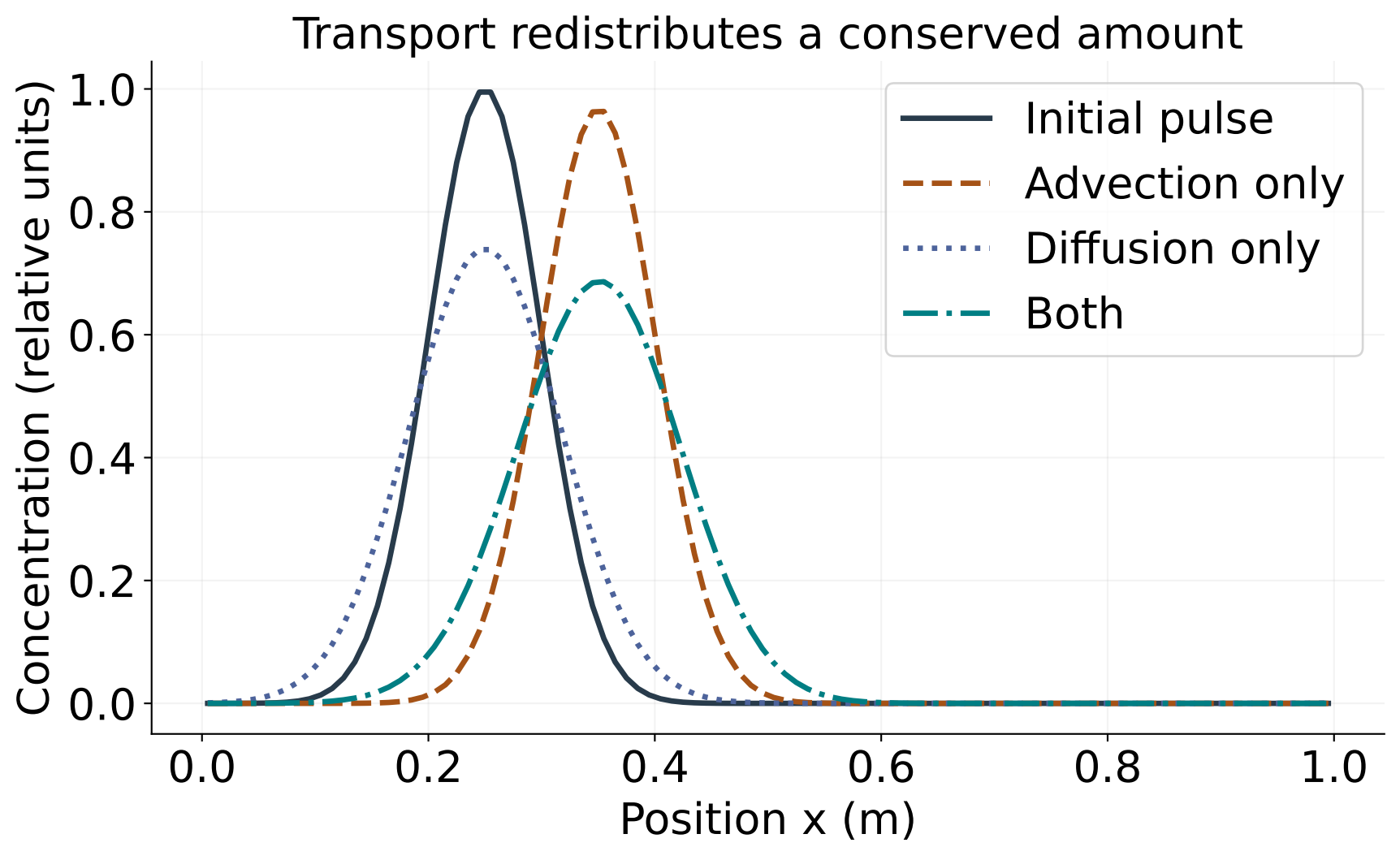

Transport redistributes a conserved amount
Concentration (relative units)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
Position x (m)
Initial pulse
Advection only
Diffusion only
Both