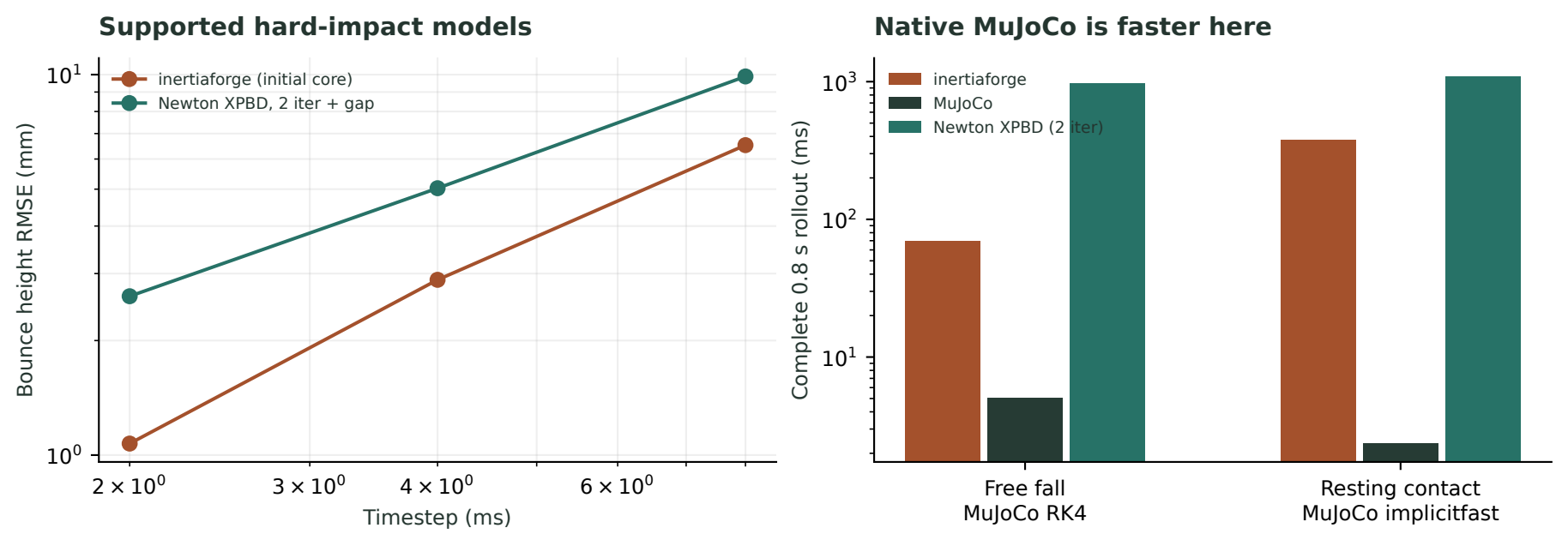
Supported hard-impact models
inertiaforge (initial core)
Newton XPBD, 2 iter + gap
Bounce height RMSE (mm)
10^1
10^0
2×10^0
3×10^0
4×10^0
6×10^0
Timestep (ms)
Native MuJoCo is faster here
inertiaforge
MuJoCo
Newton XPBD (2 iter)
Complete 0.8 s rollout (ms)
10^3
10^2
10^1
Free fall
MuJoCo RK4
Resting contact
MuJoCo implicitfast