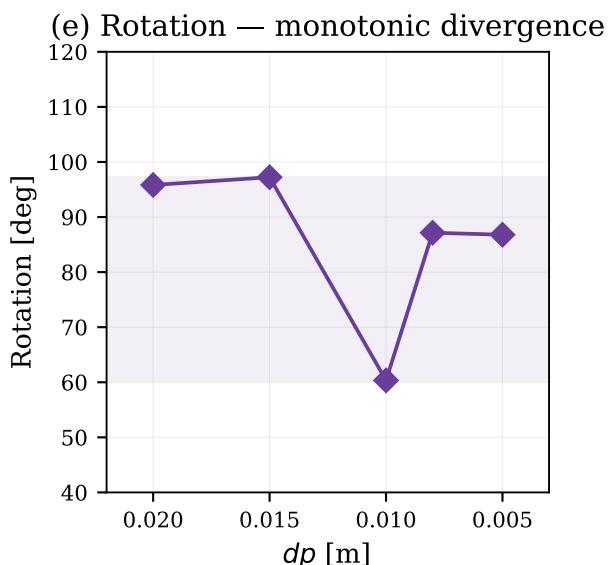
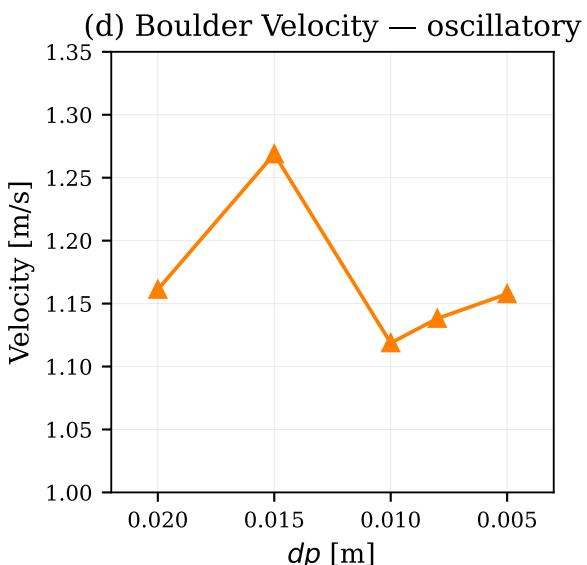
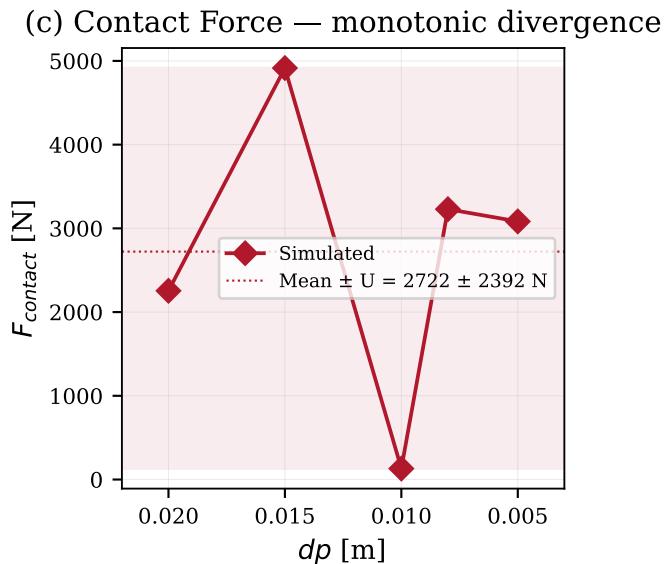
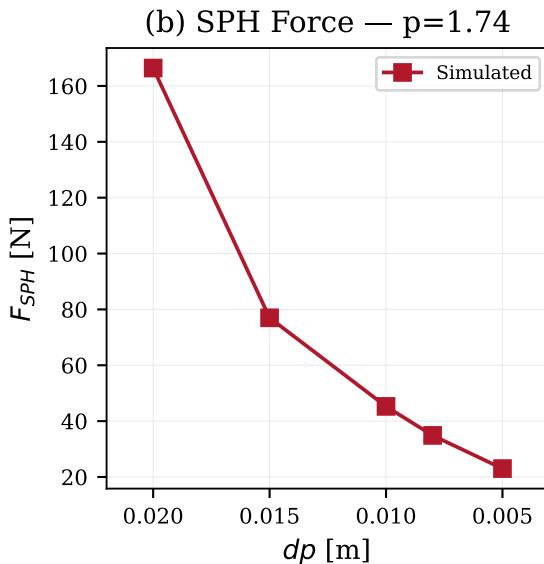
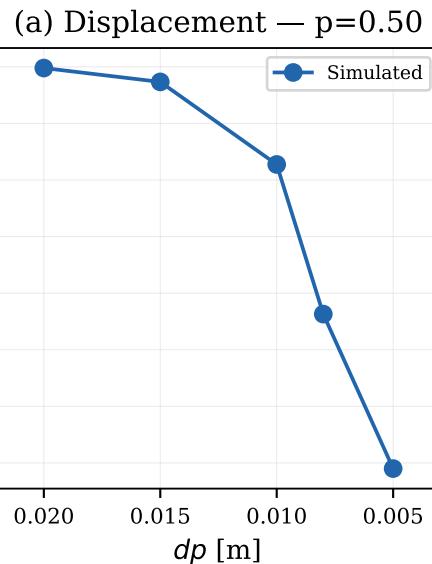


Mesh Convergence Study — Complete Analysis (5 resolutions, RTX 5090)



CONVERGENCE VERDICT		
\triangle Displacement	monotonic divergence	
\triangle SPH Force	monotonic divergence	
\circ Velocity	$U=0.1$ (6%)	
\triangle Rotation	monotonic divergence	
\triangle Contact Force	monotonic divergence	
\circ Flow Velocity	$U=0.1$ (11%)	
<hr/>		
● Monotonic convergence (GCI valid)		
○ Oscillatory (uncertainty band)		
\triangle Divergence		
<hr/>		
Best triplet: $dp = (4, 3, 1)$		
Total compute: 197 min		
Hardware: NVIDIA RTX 5090		