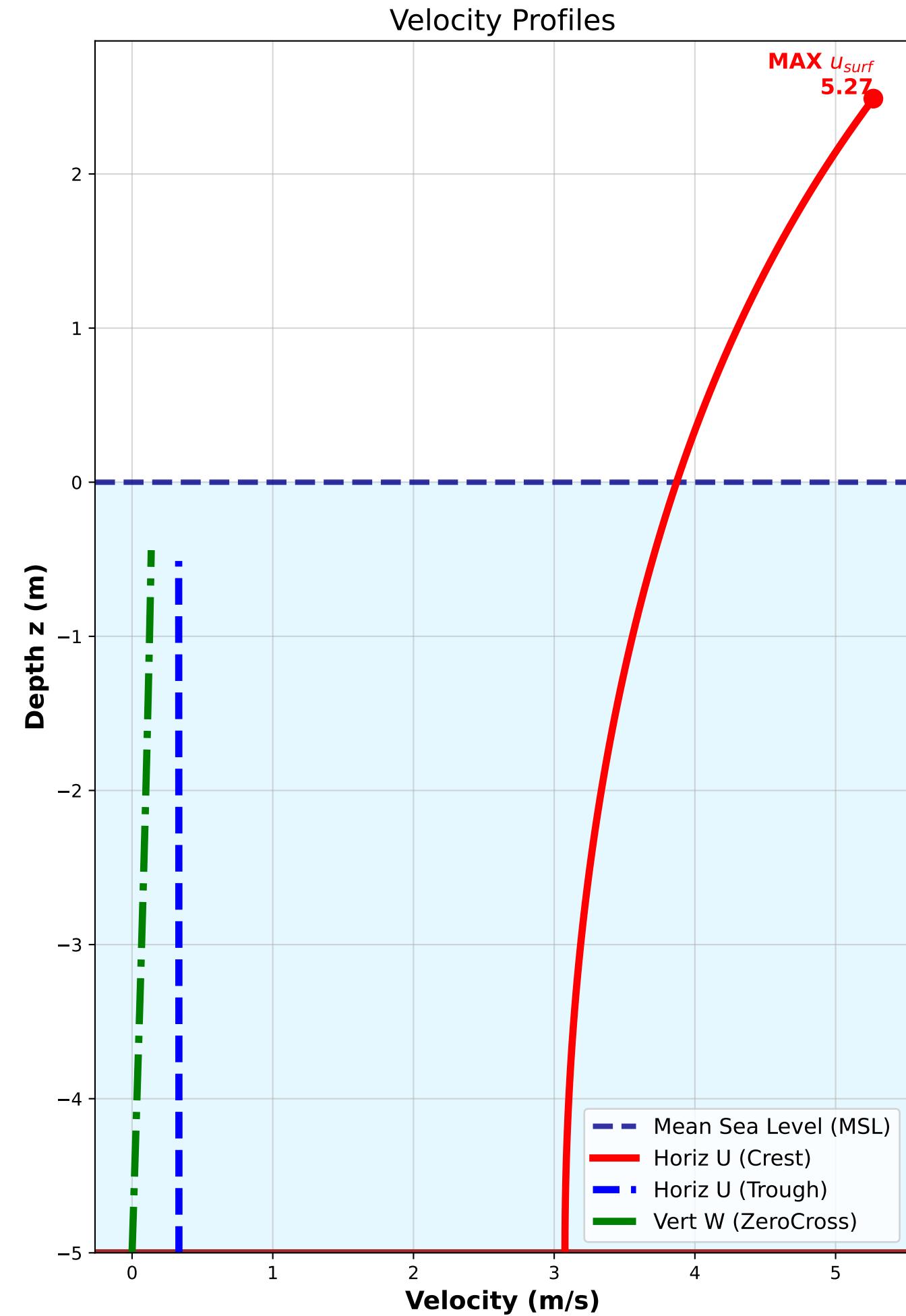
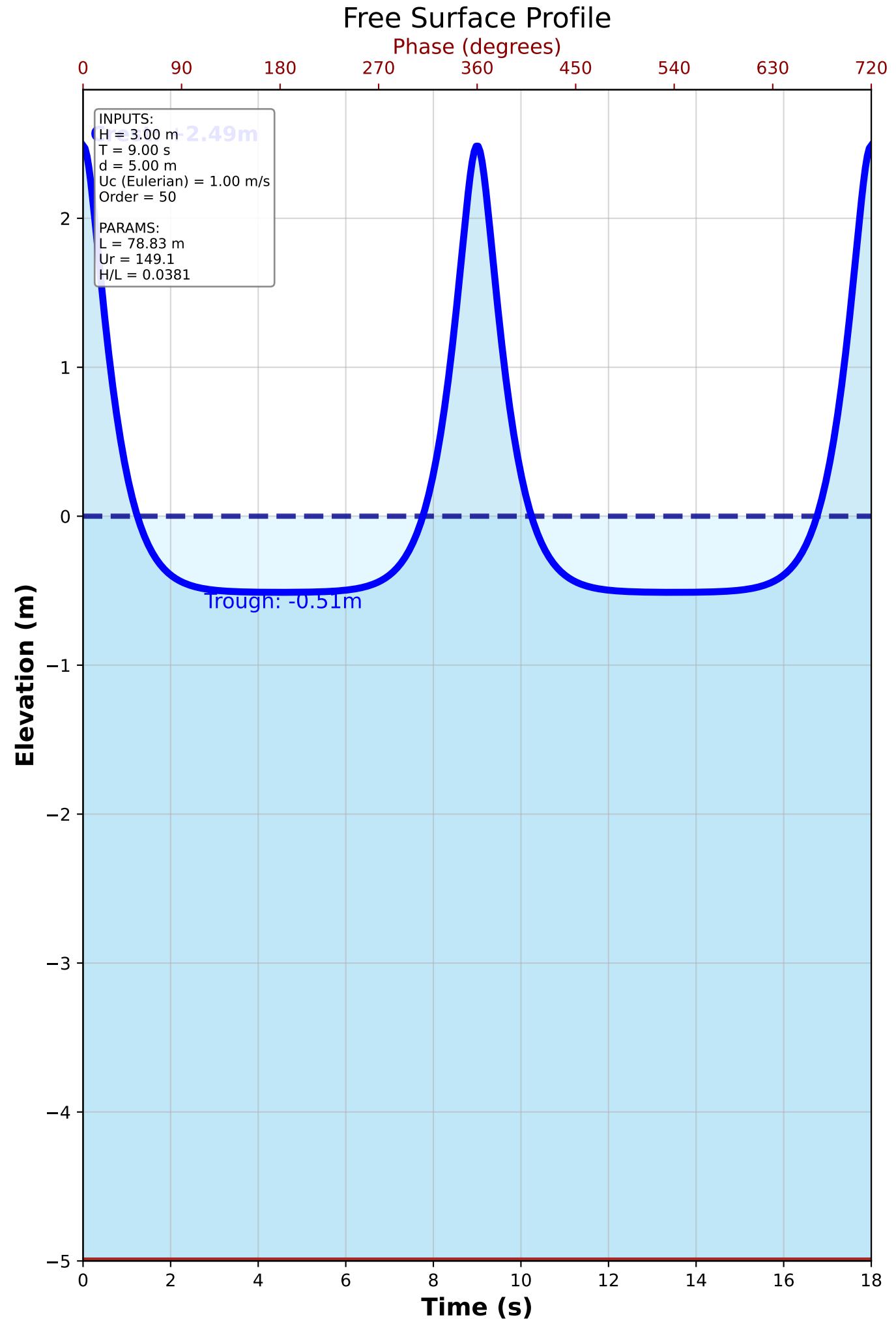
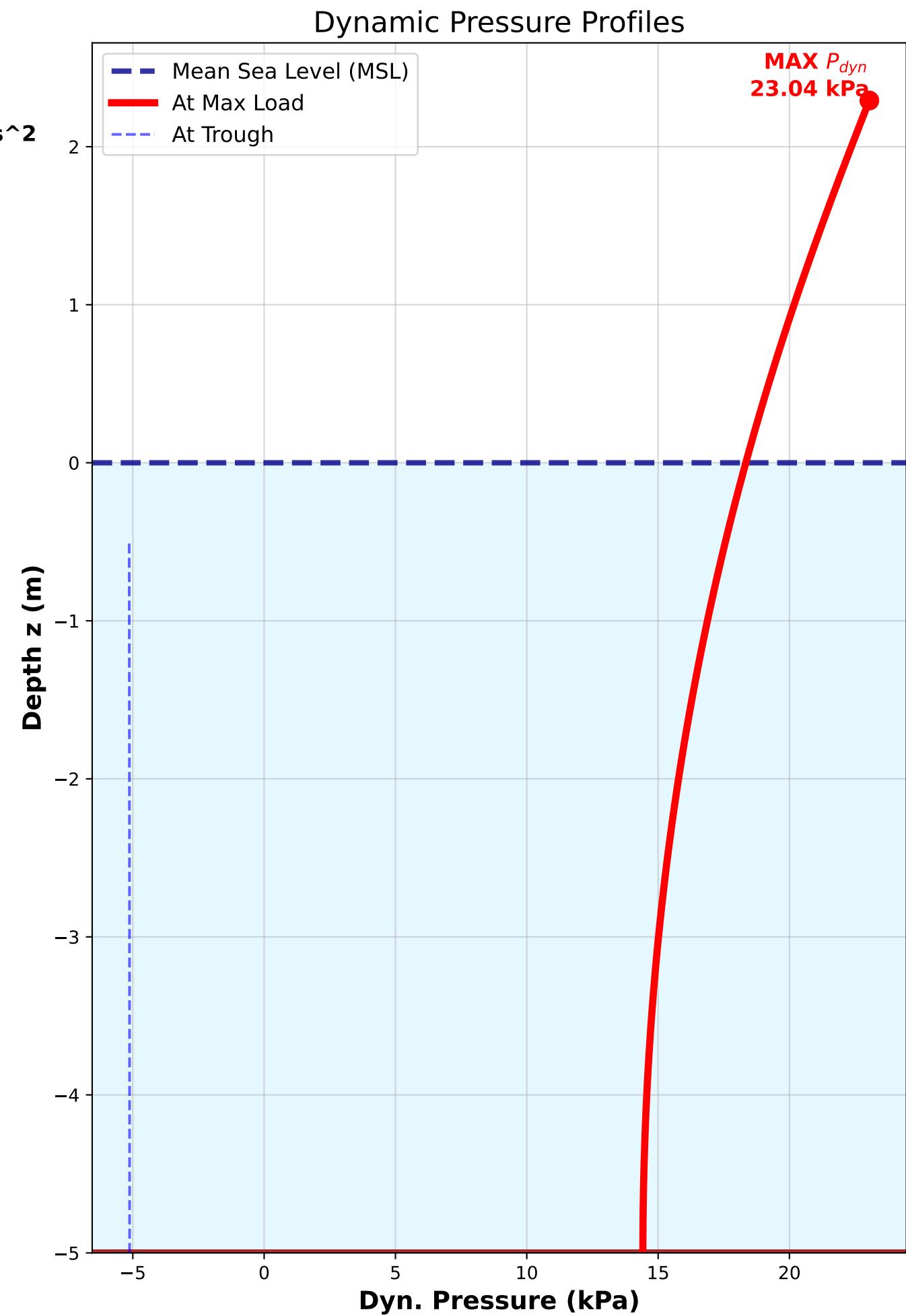
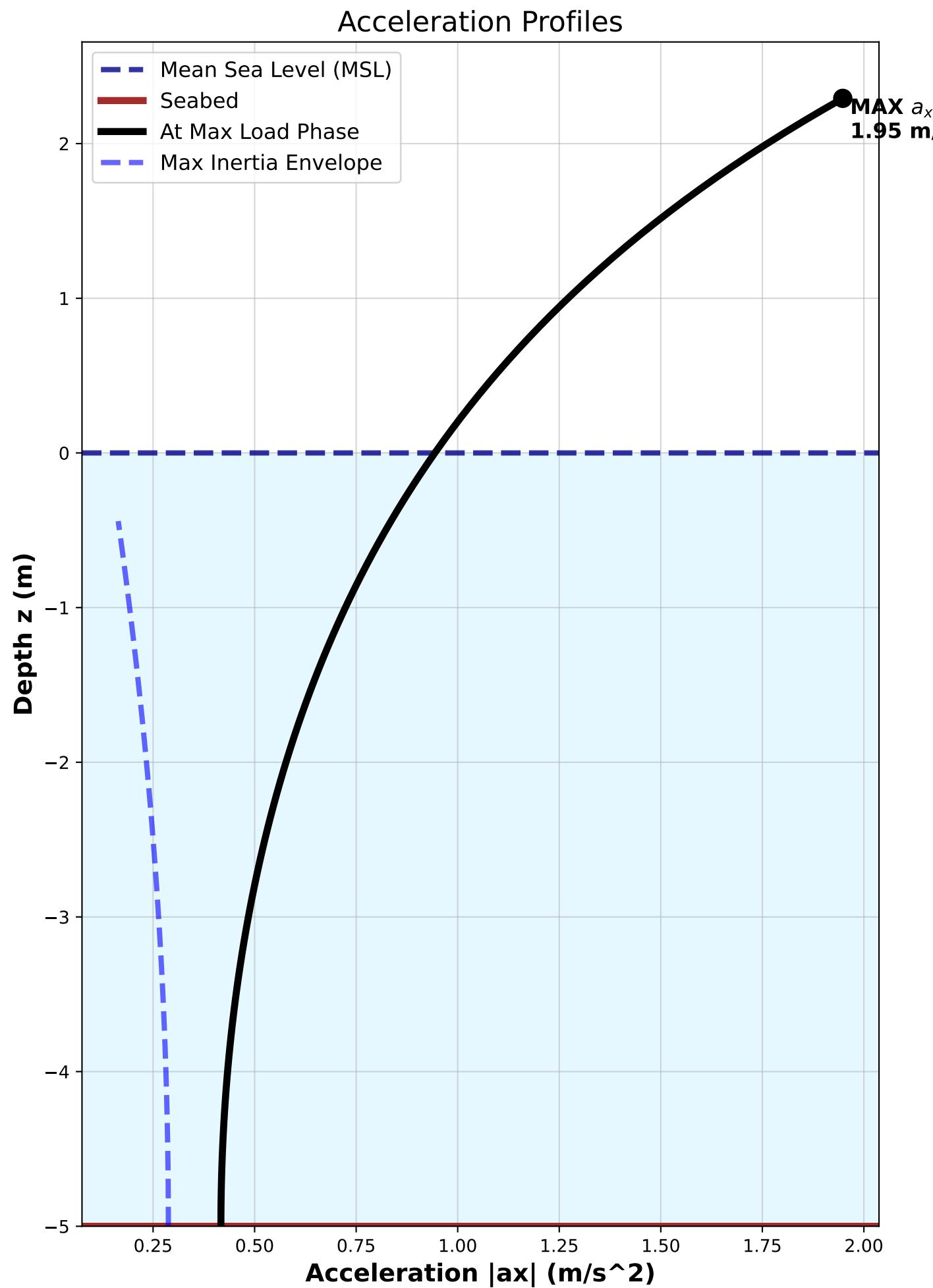


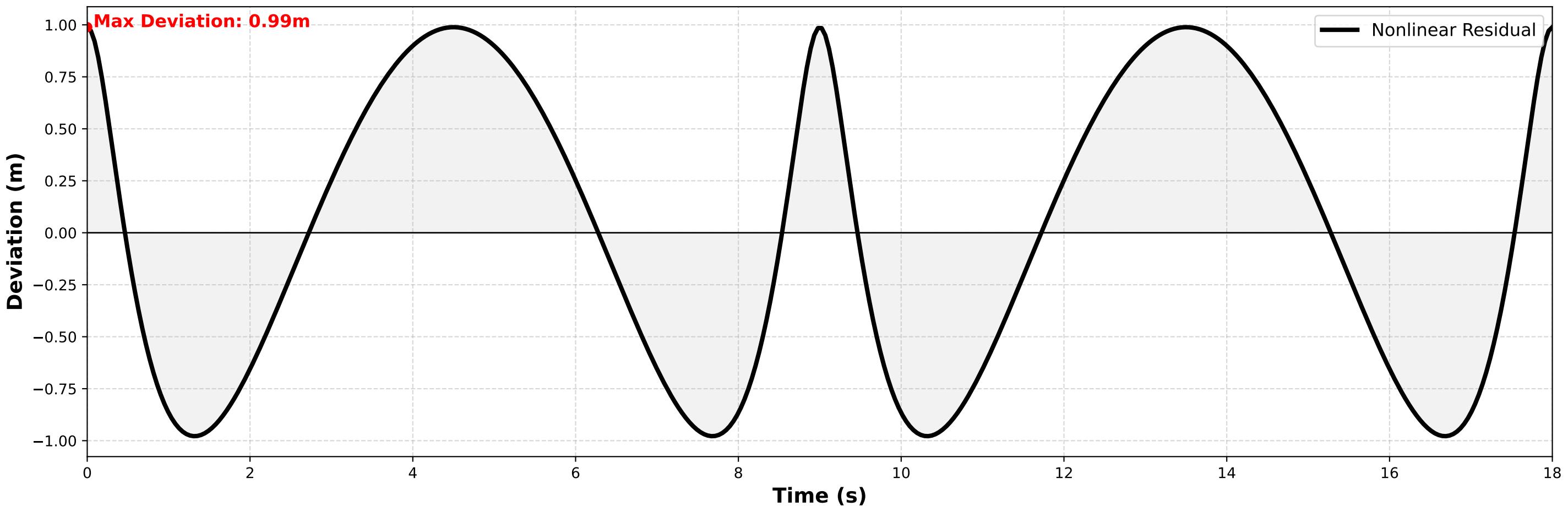
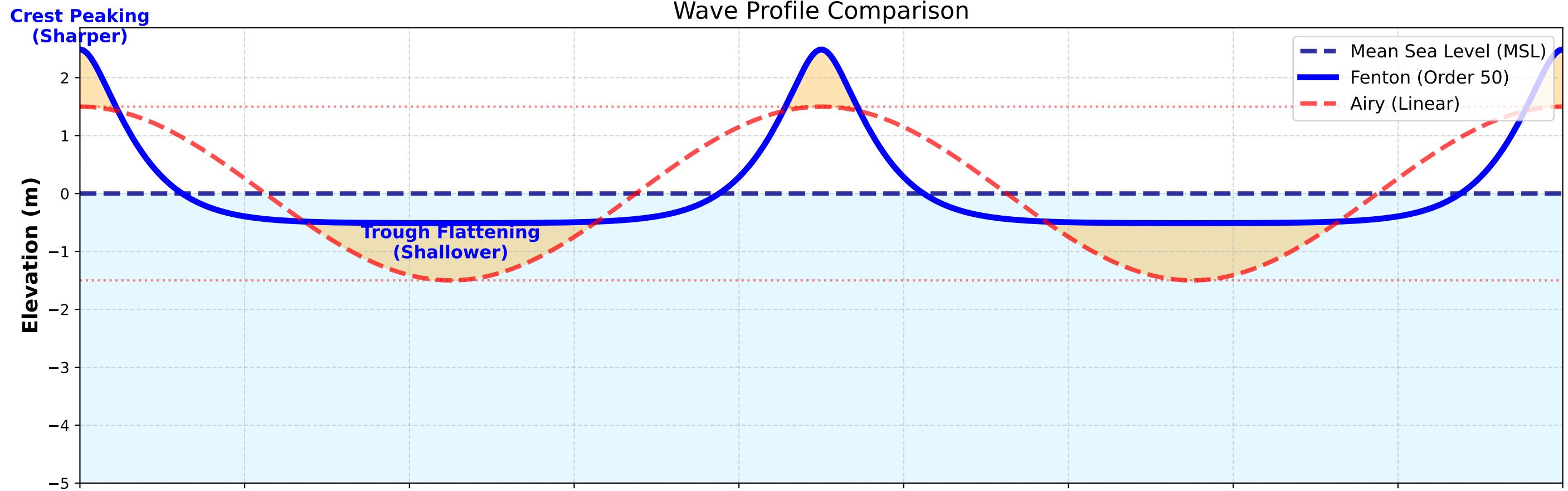
1. Wave Kinematics (Profile & Velocities)



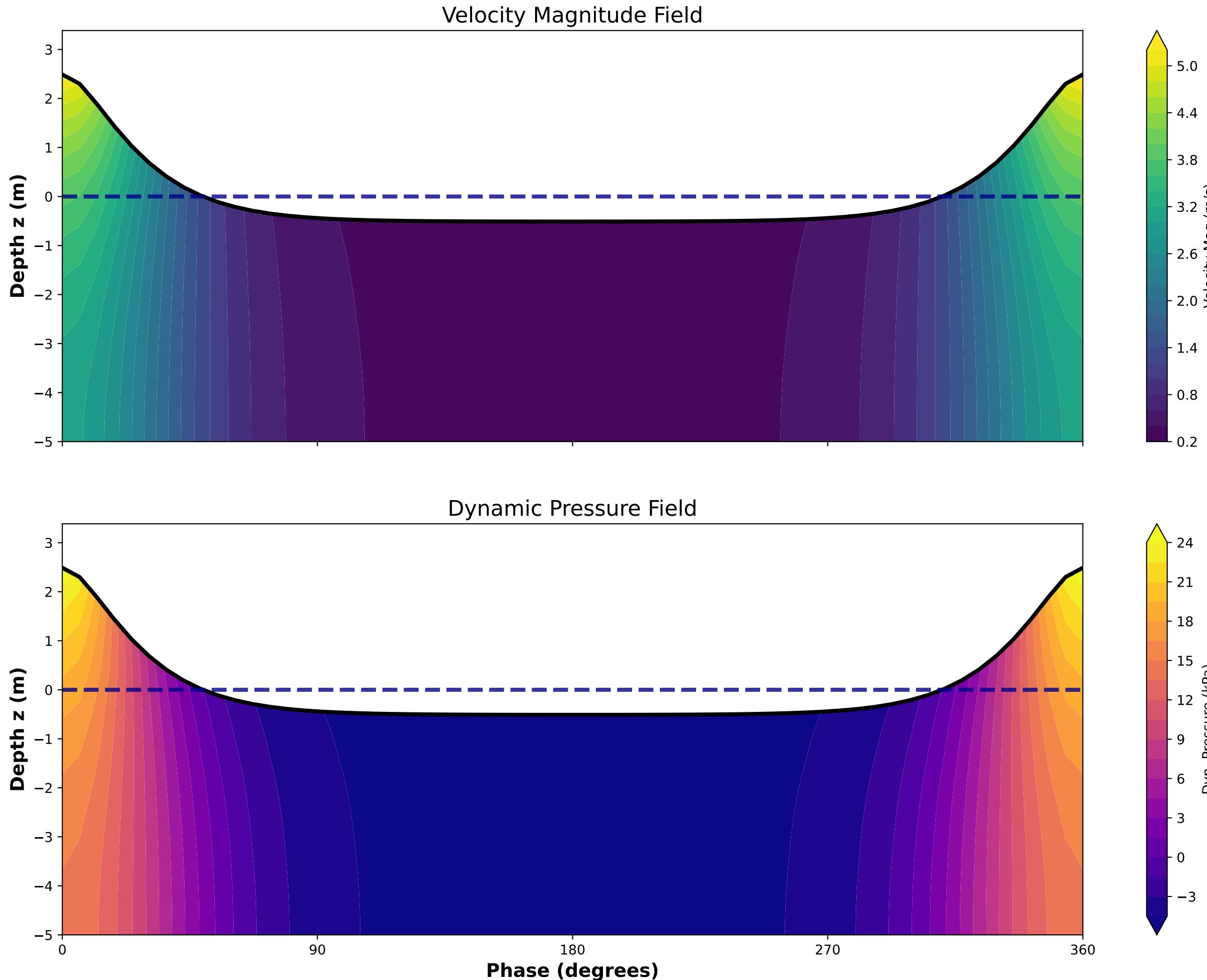
2. Wave Dynamics (Accelerations & Pressures)



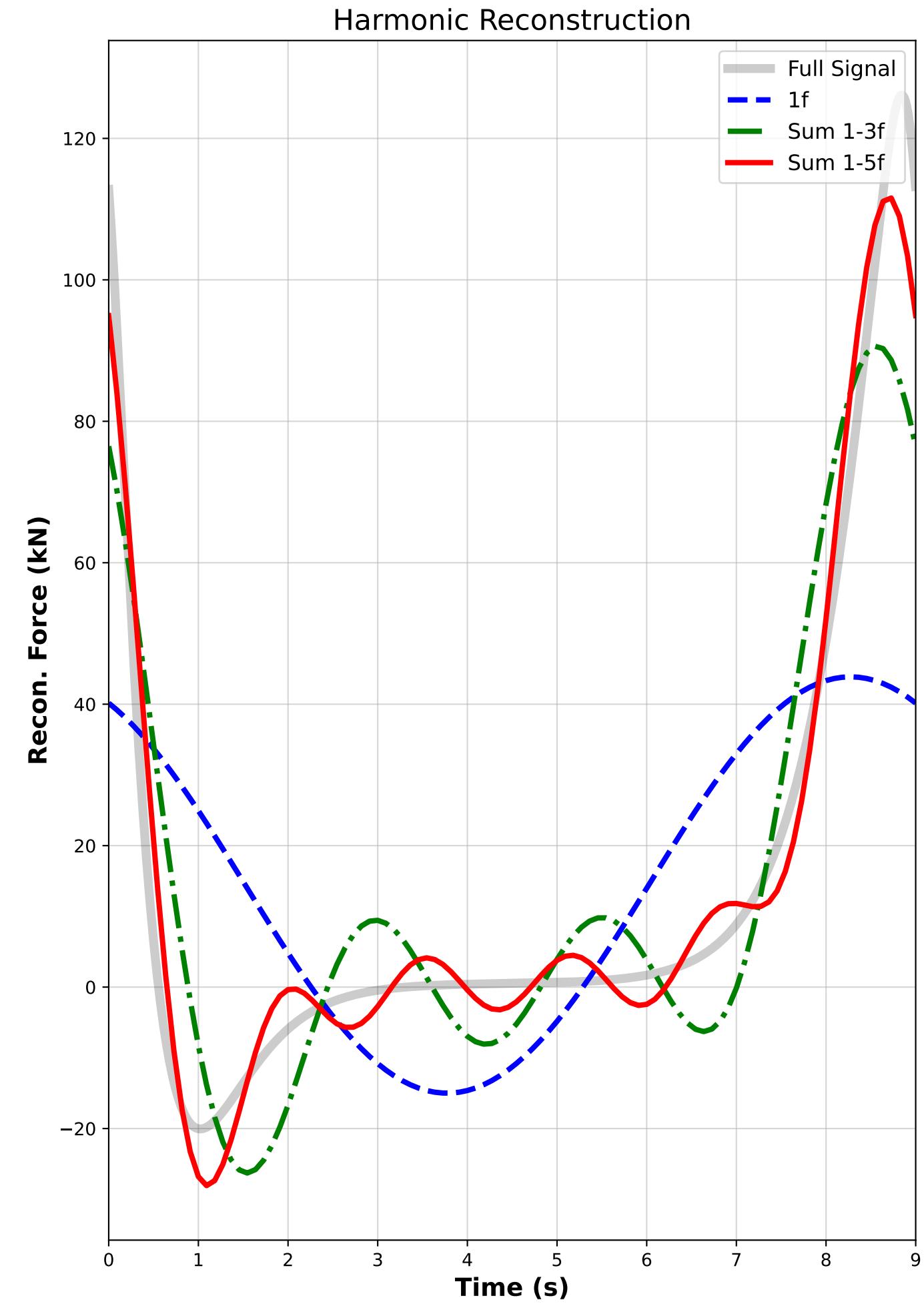
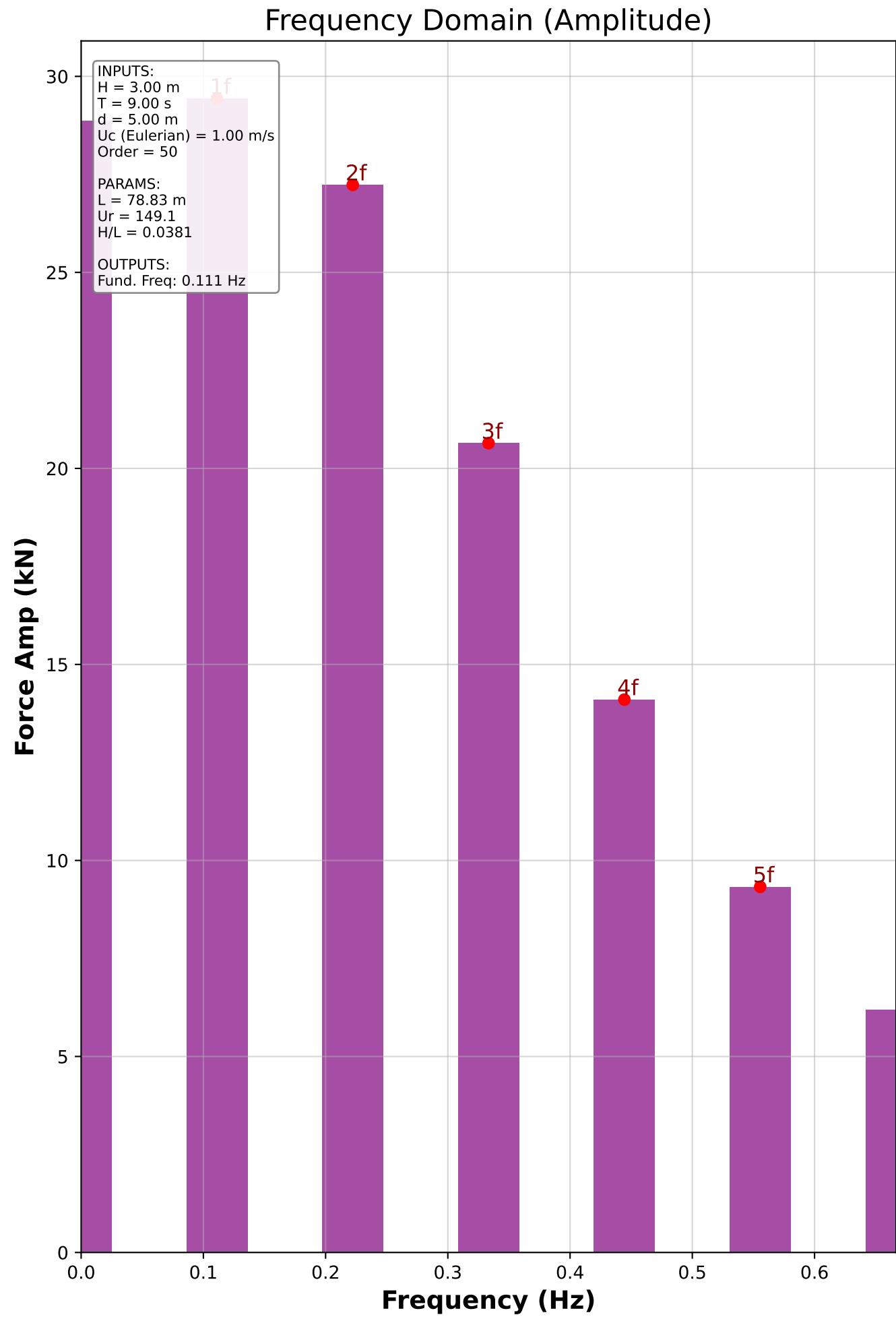
3. Solver Validation: Linear vs. Nonlinear Physics



4. 2D Wave Field Visualization ($H=3.0\text{m}$, $T=9.0\text{s}$)

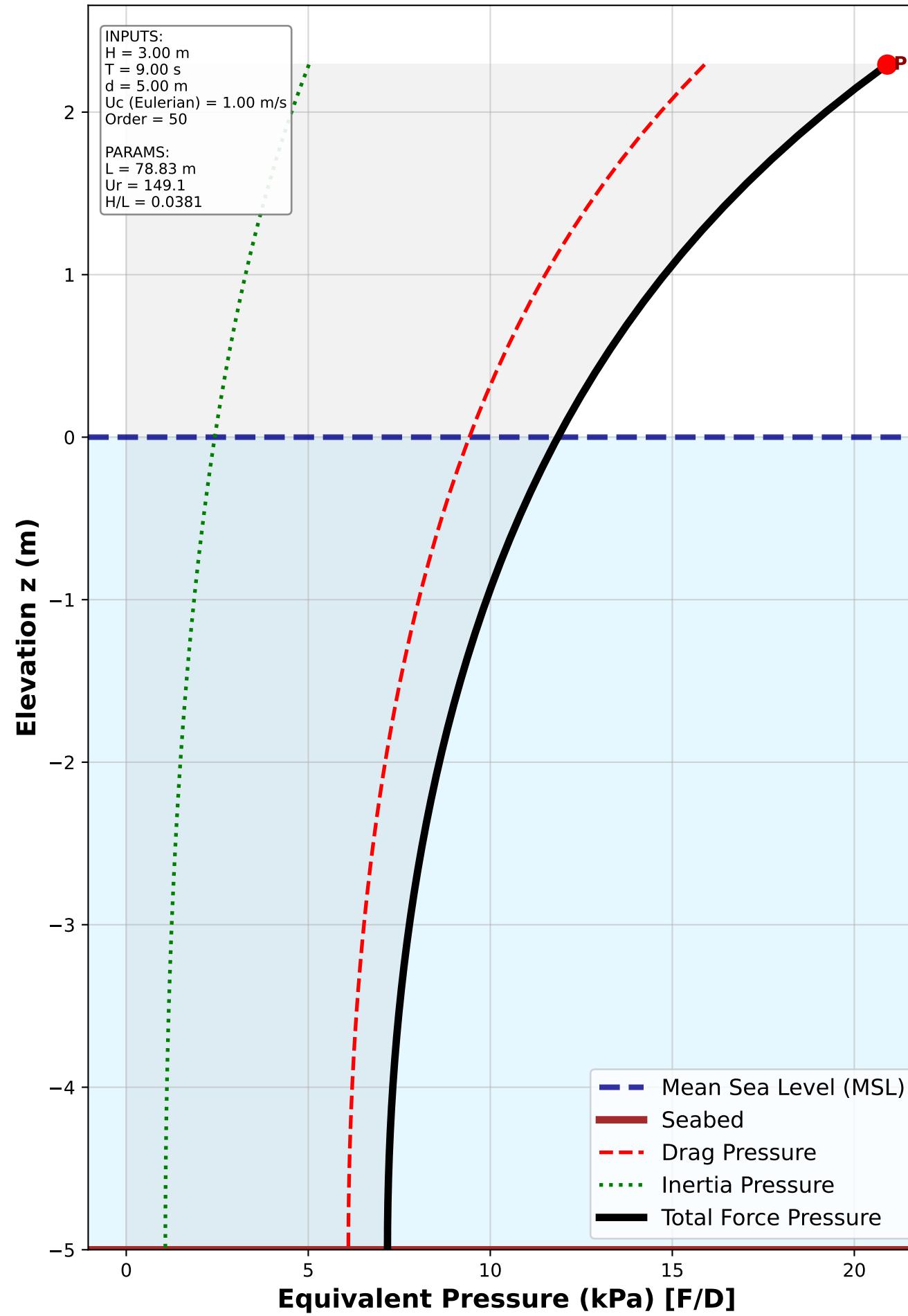


5. Force Spectrum & Harmonic Reconstruction

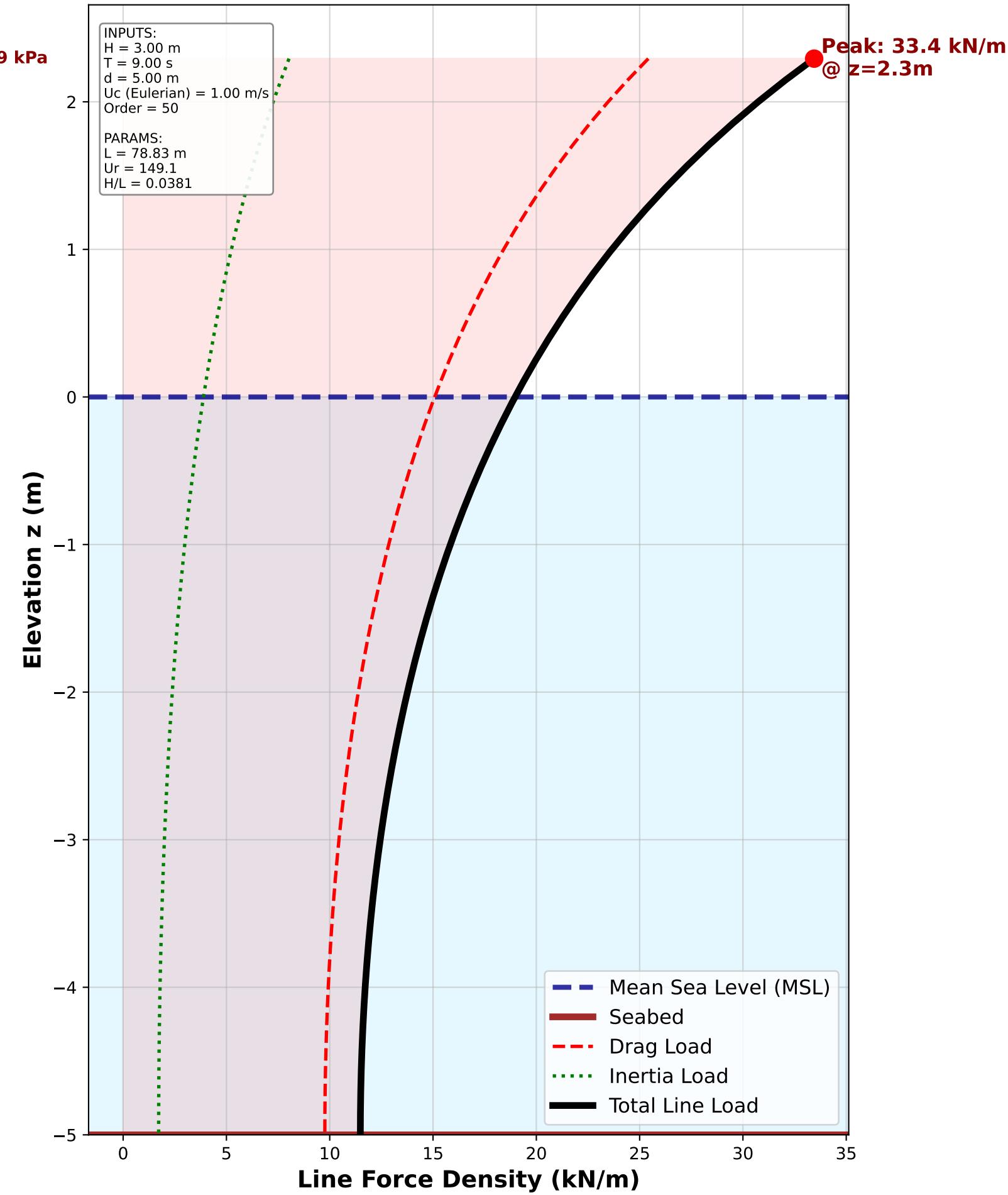


6. Vertical Force Profiles at Max Load Phase (353.8°)

Force as Pressure (kPa)



Force Distribution (kN/m)



7. Hydrodynamic Forces & Moments (Time Series)

