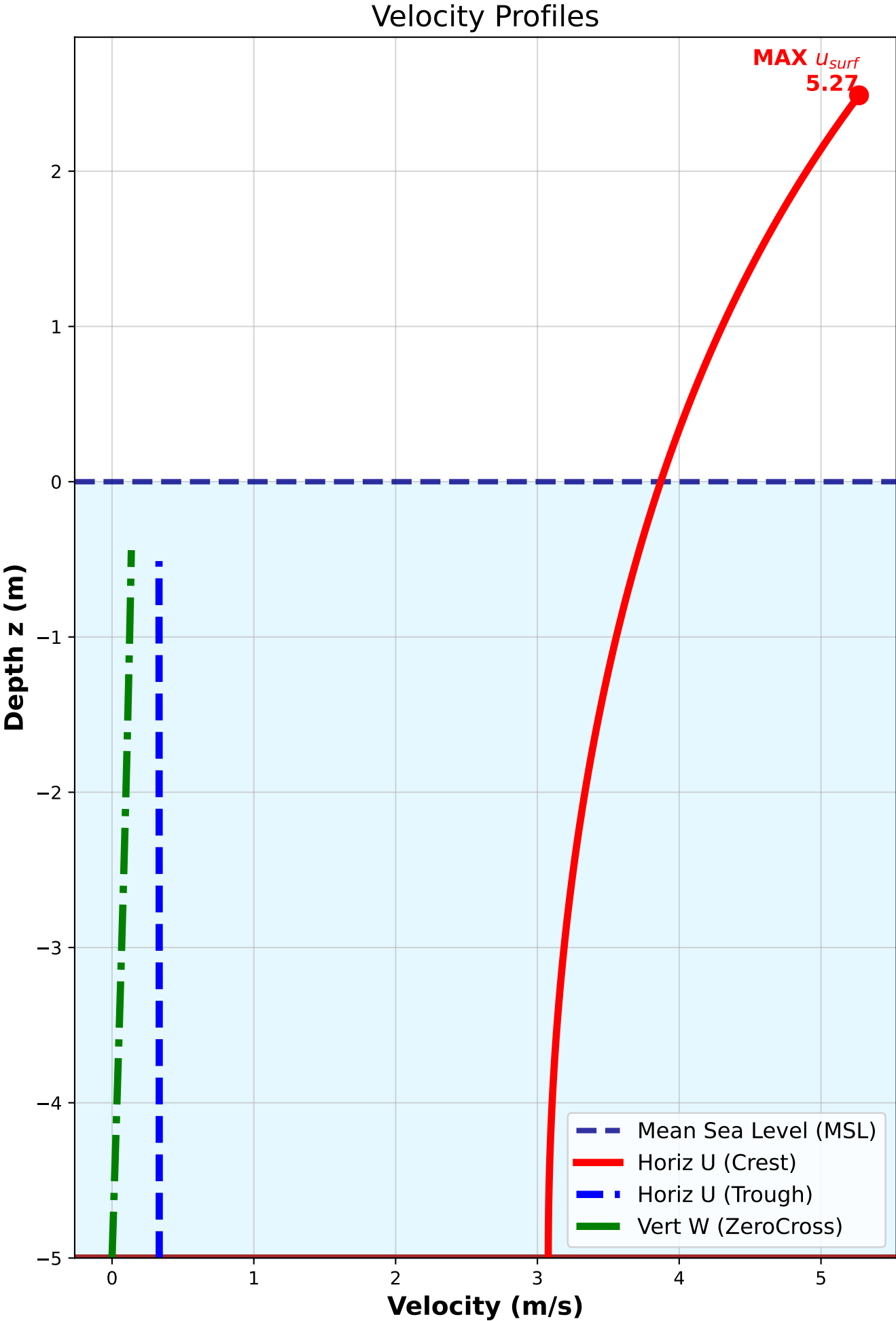
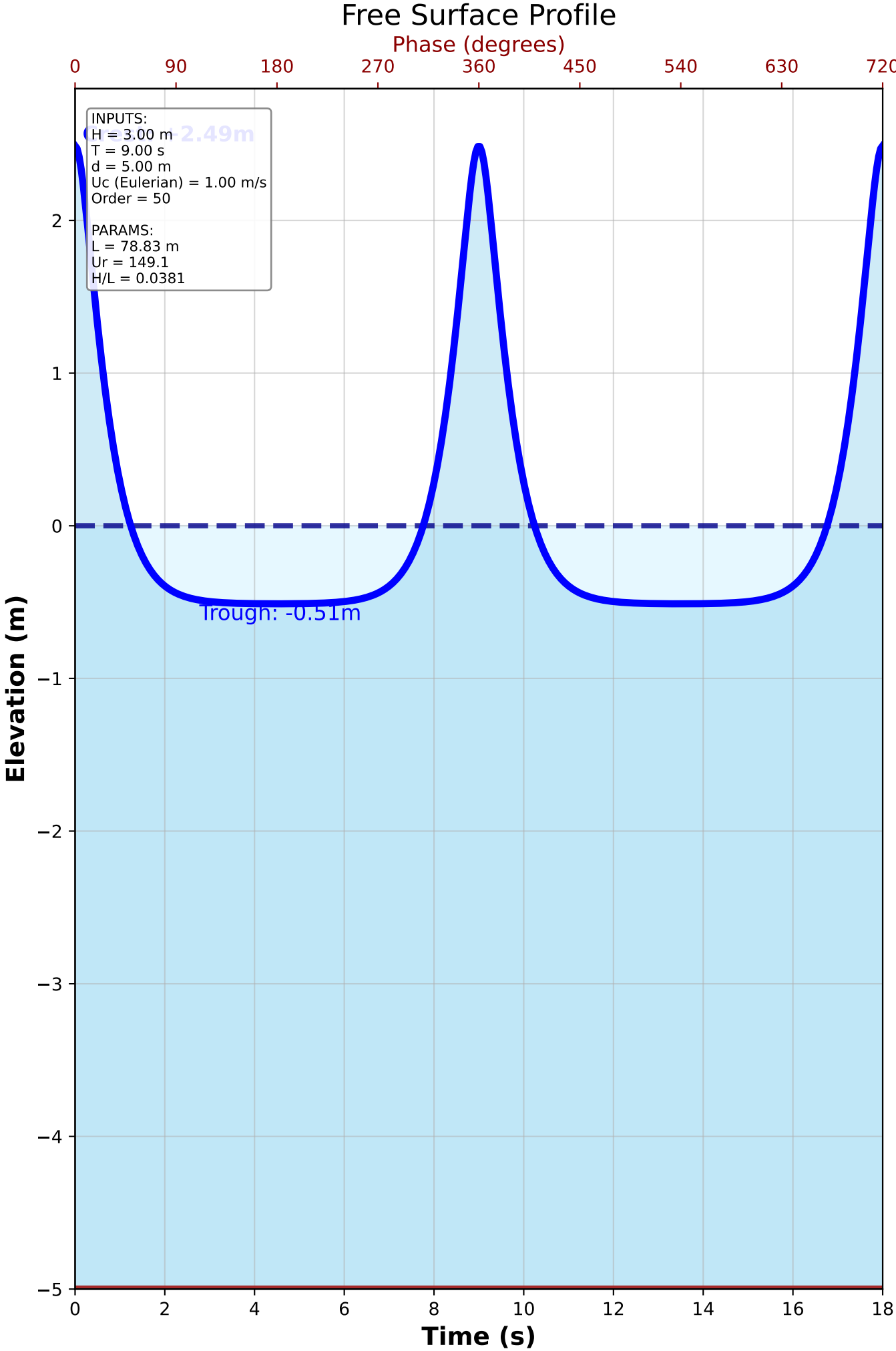
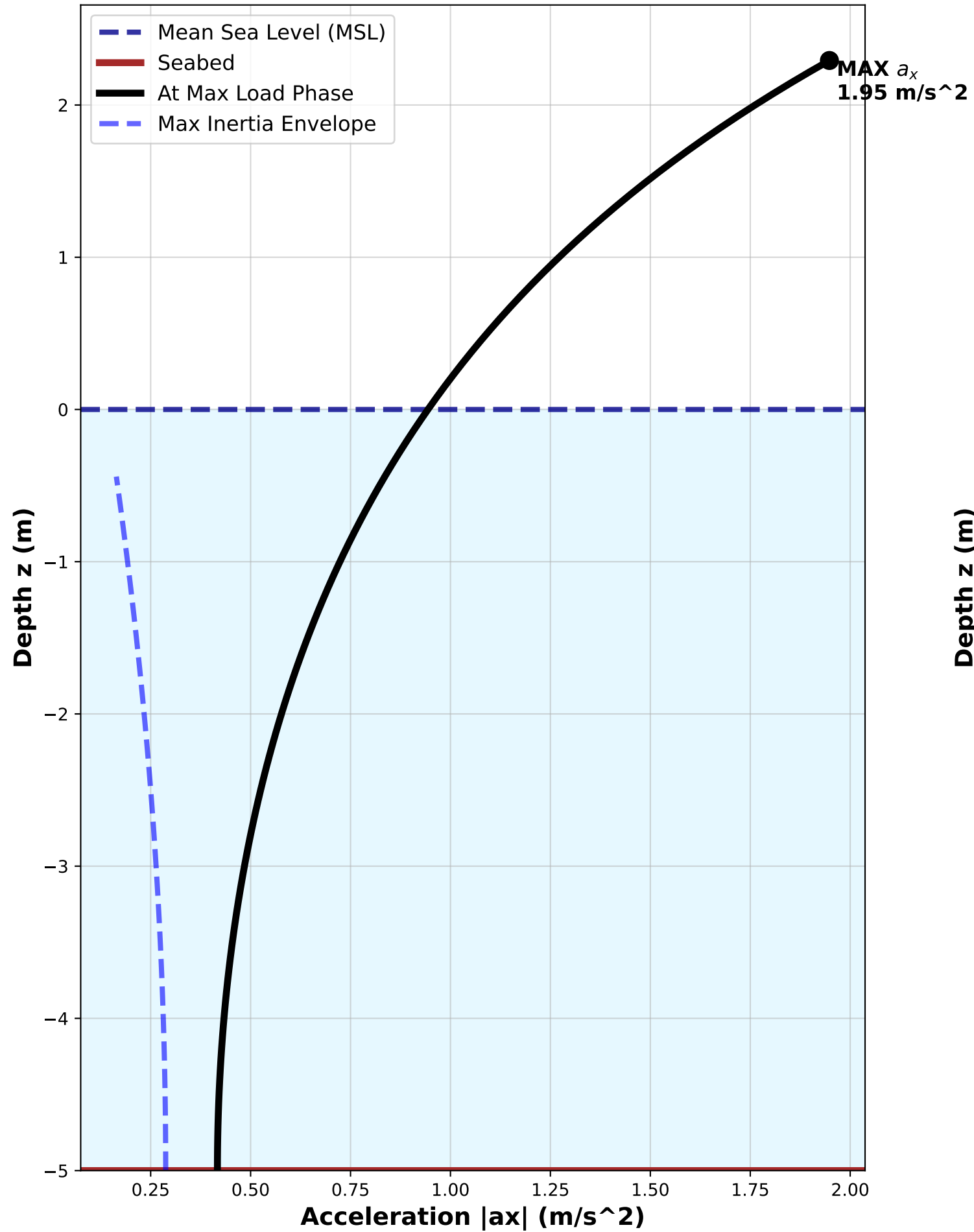


1. Wave Kinematics (Profile & Velocities)

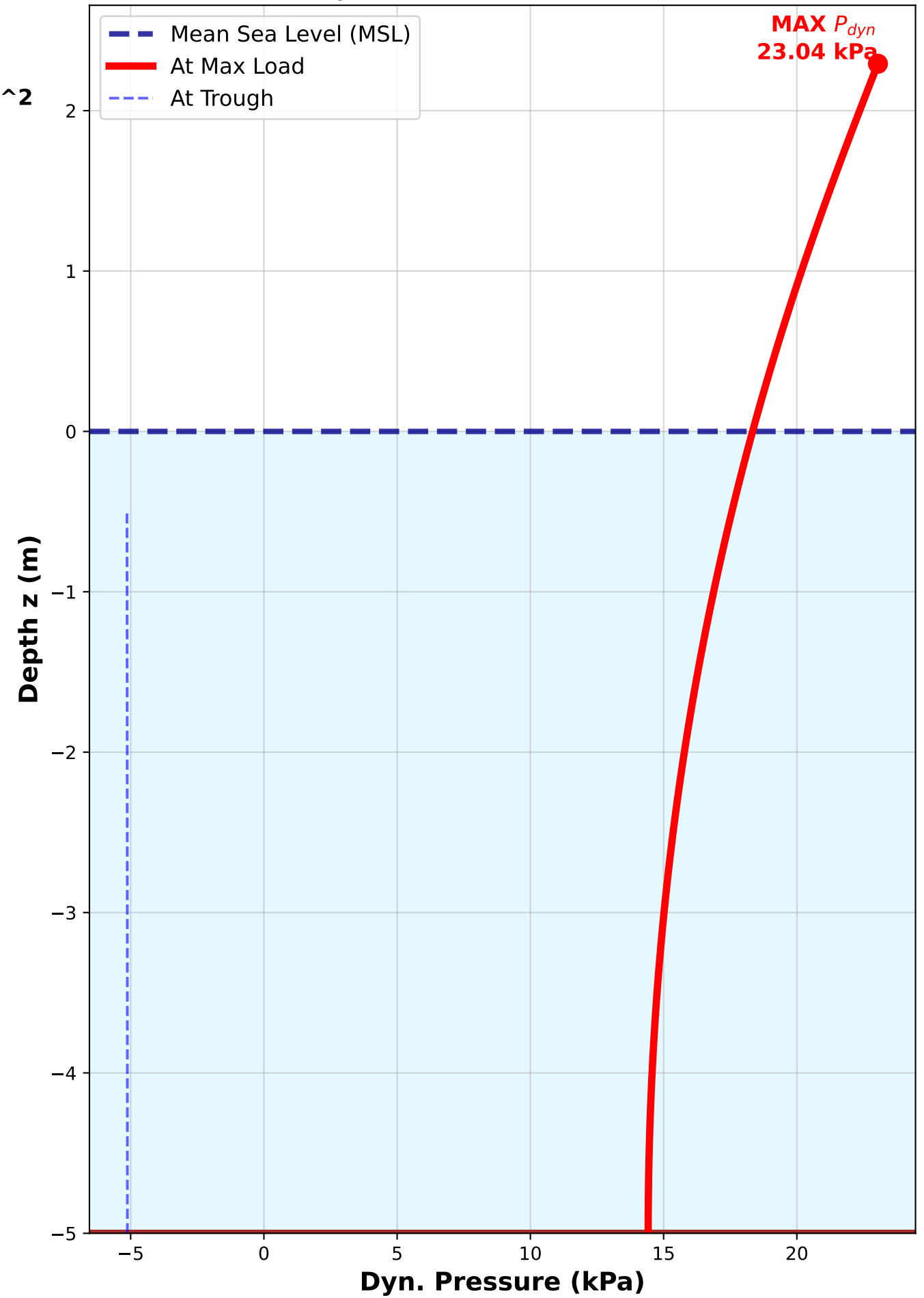


## 2. Wave Dynamics (Accelerations & Pressures)

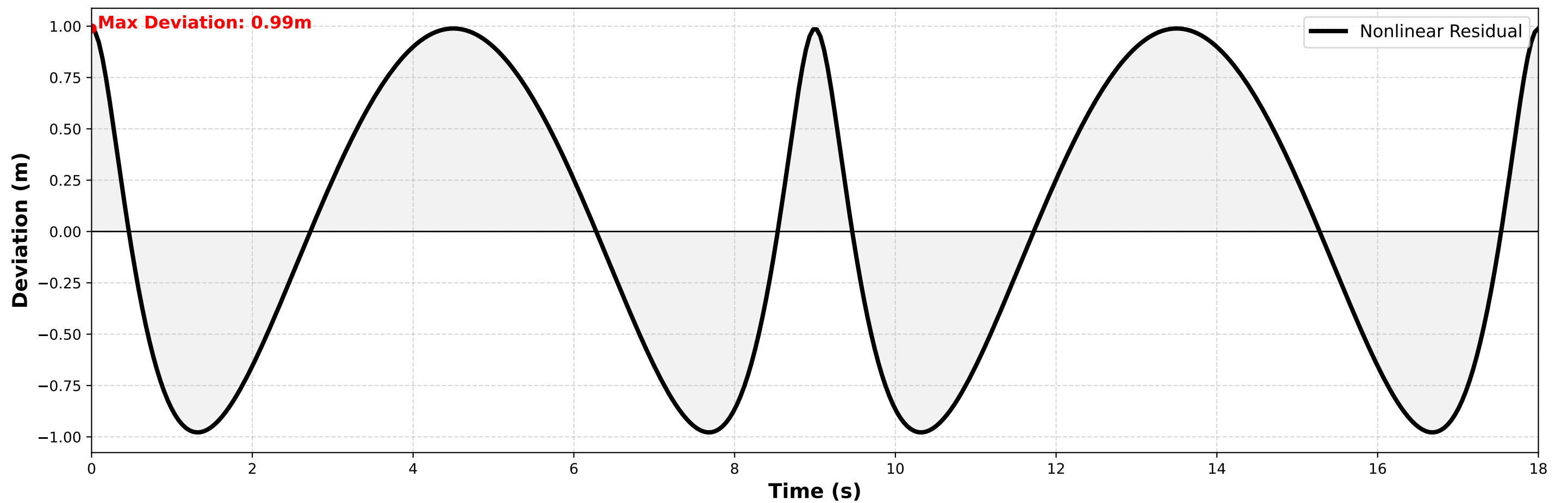
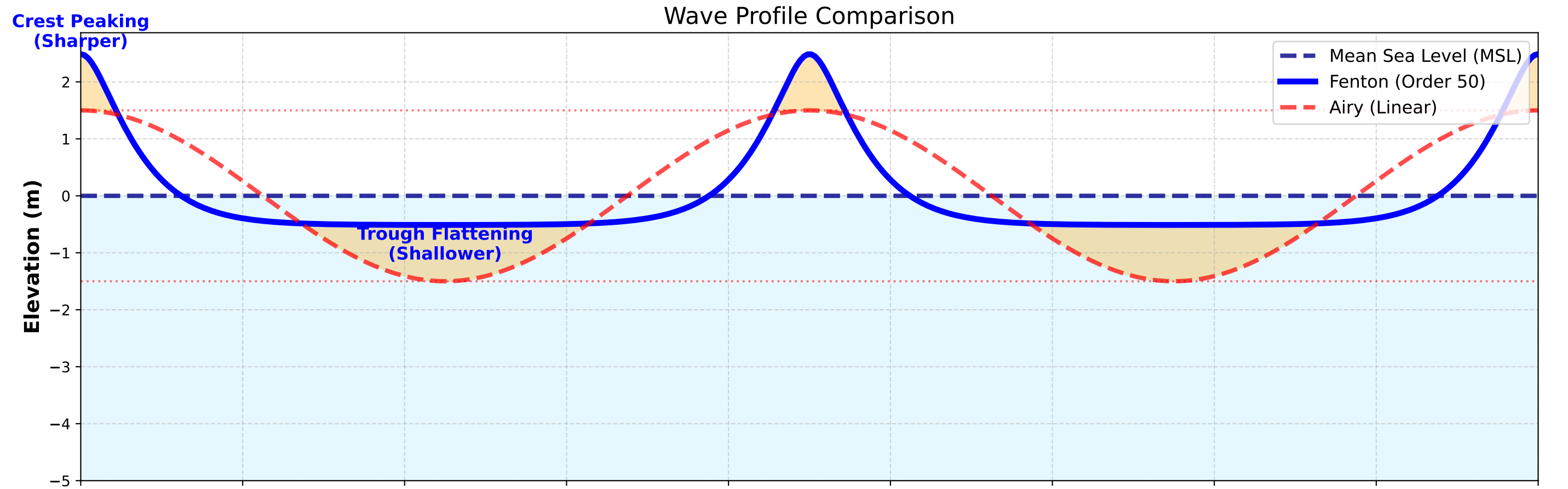
Acceleration Profiles



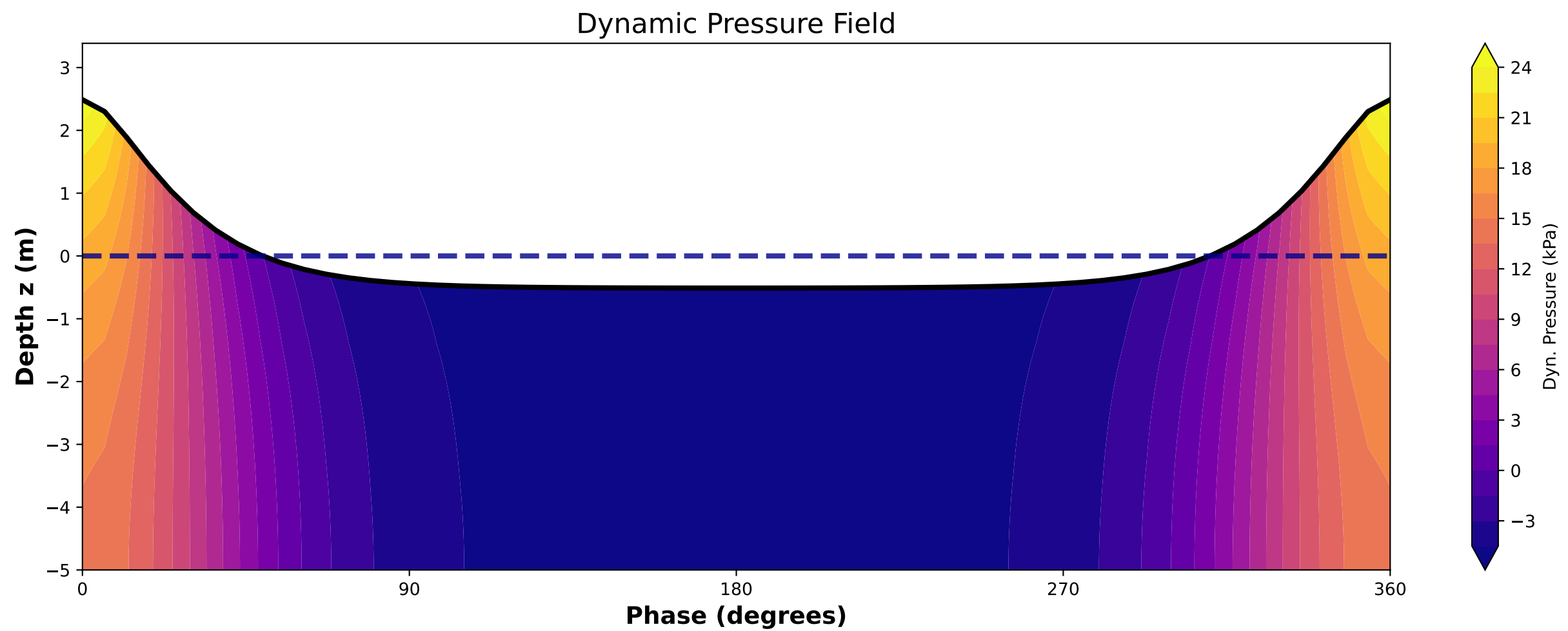
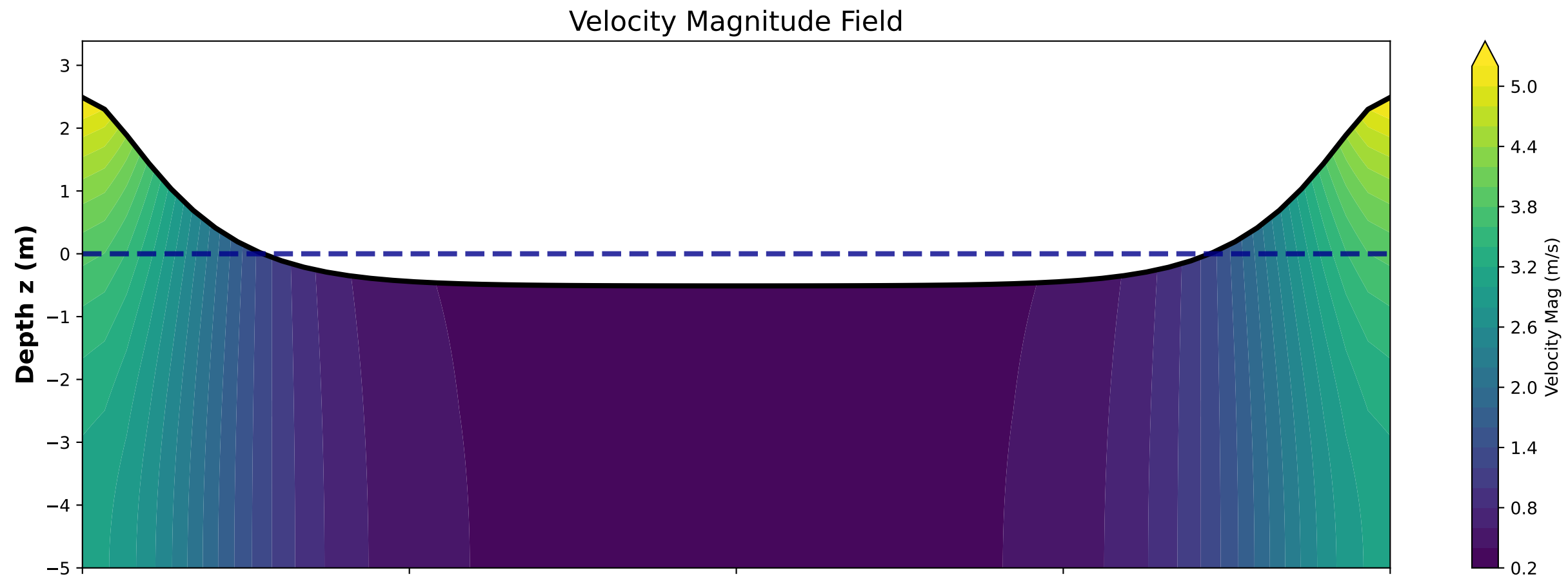
Dynamic Pressure Profiles



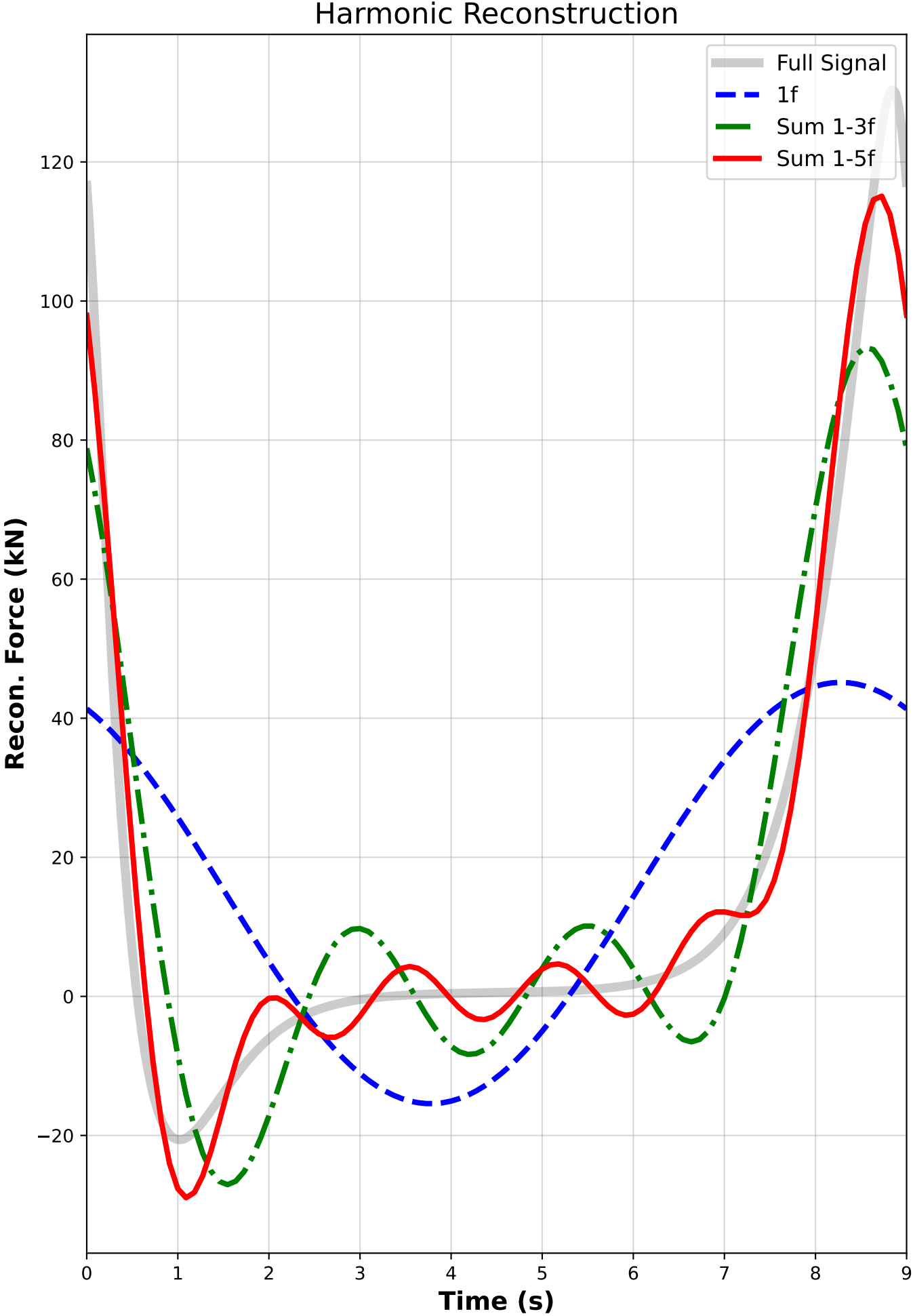
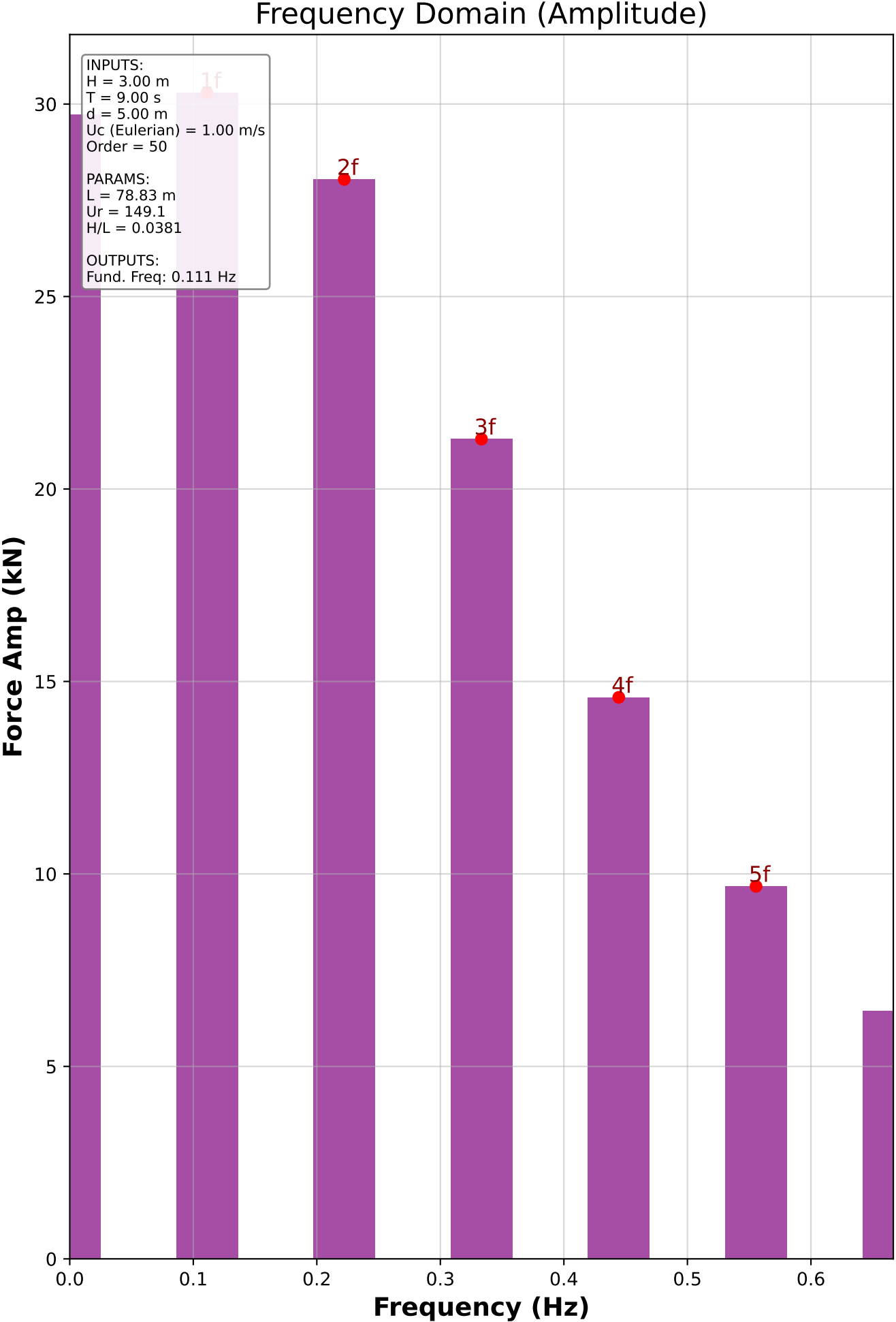
### 3. Solver Validation: Linear vs. Nonlinear Physics



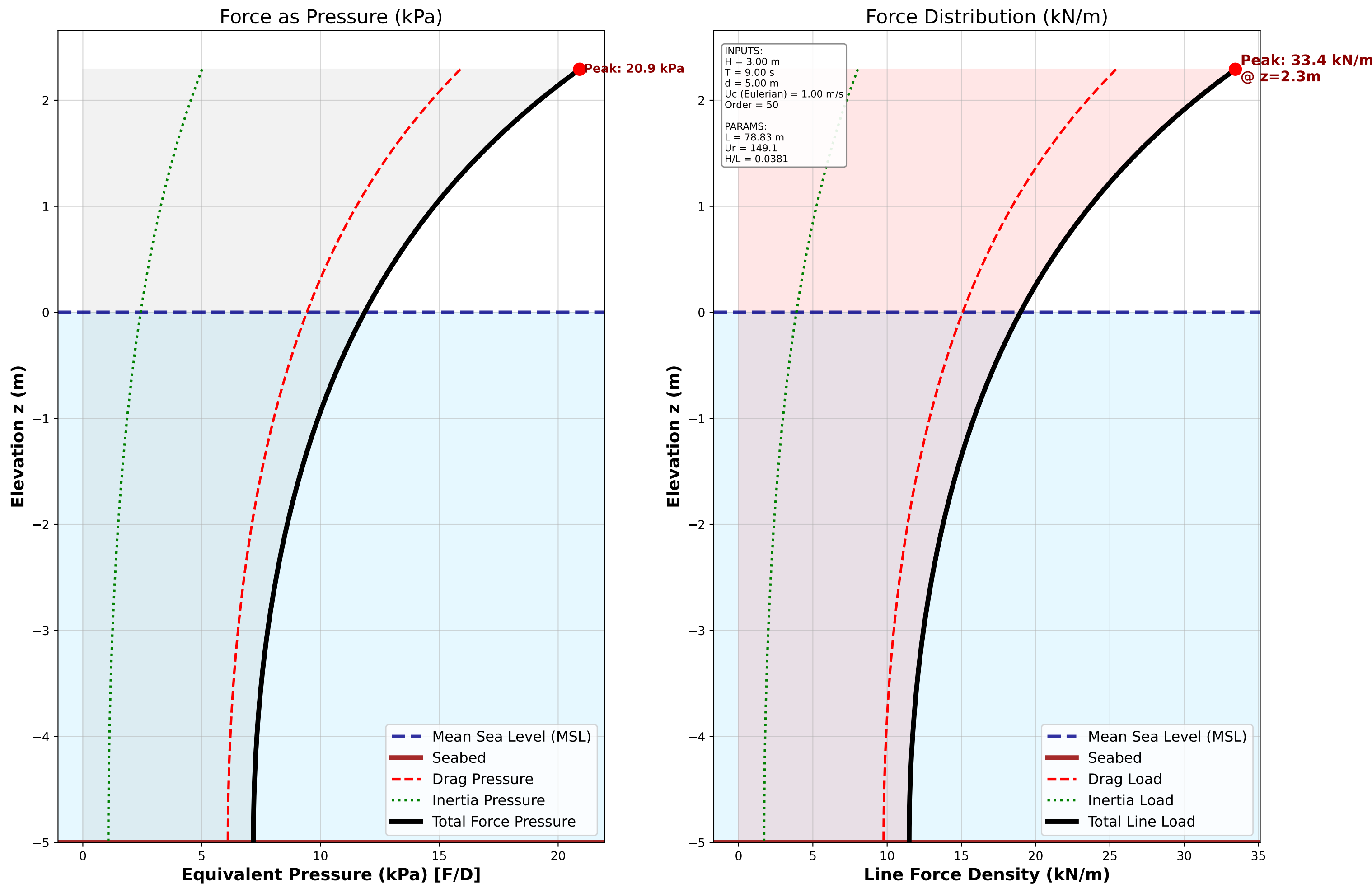
#### 4. 2D Wave Field Visualization (H=3.0m, T=9.0s)



# 5. Force Spectrum & Harmonic Reconstruction

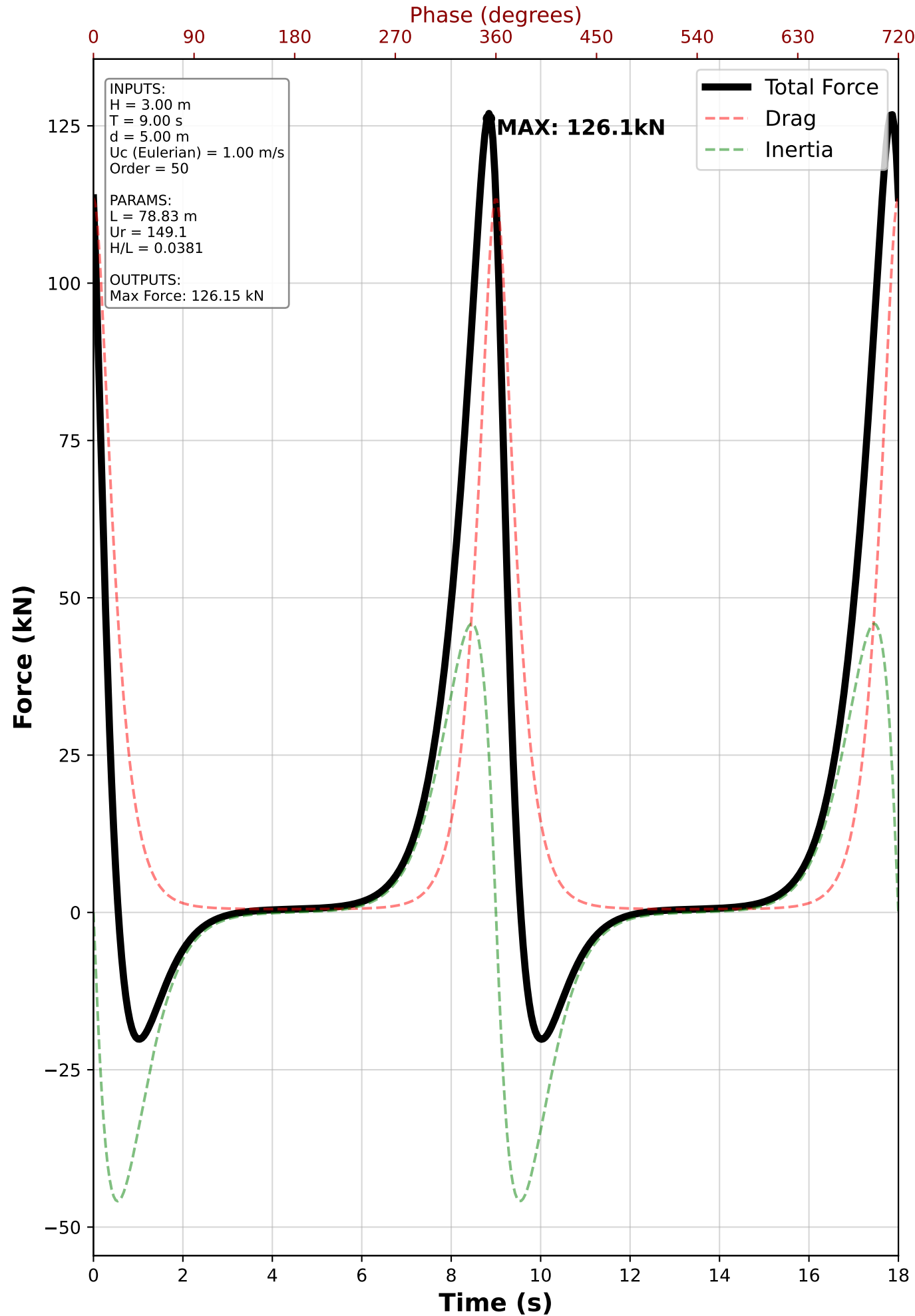


6. Vertical Force Profiles at Max Load Phase (353.8°)



# 7. Hydrodynamic Forces & Moments (Time Series)

Base Shear Force



Overturning Moment (Mudline)

