## **Ship and String Position and Velocity** PM Spectrum 30.0 knot 2.0 min $\omega_{range} = 0.2$ to 1.5 rad/s $\zeta_1 = 0.1$ and $\zeta_{2,3,4} = 0.1$ 20 Ship Position Ship Velocity String Top Position 15 String Top Velocity String Middle Position String Middle Velocity 10 **String Bottom Position** String Bottom Velocity Wave Height Position or Velocity -10-15-20**-**25<u></u>∟ 20 60 80 100 120 40

Time (s)