

Lecture Notes on Nonlinear Oscillations

Damping Models

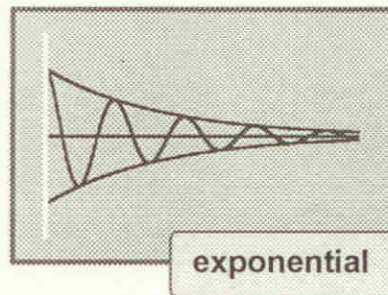
J. T. Chen

Department of Harbor and River Engineering,
National Taiwan Ocean University

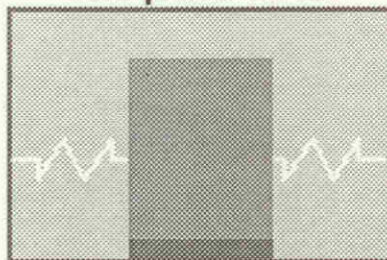
Full plane linear



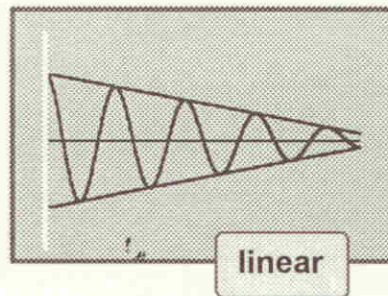
Viscous Damping



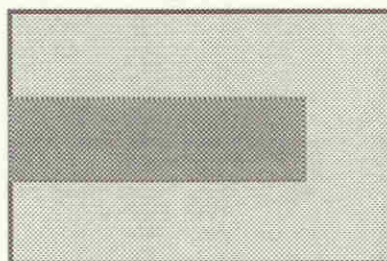
Half plane linear



Coulomb Damping



Quarter plane linear



Hysteretic Damping

