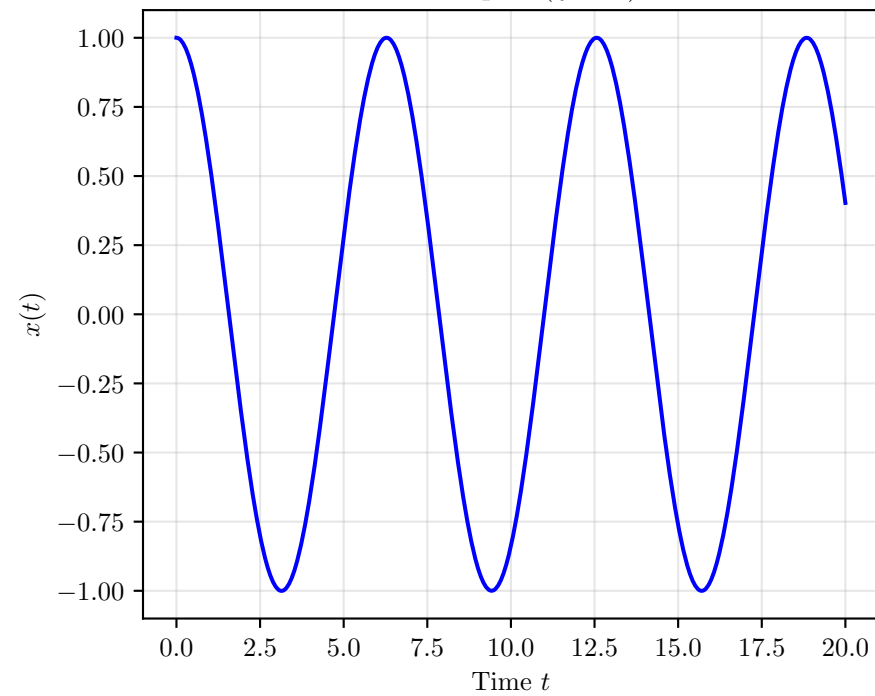
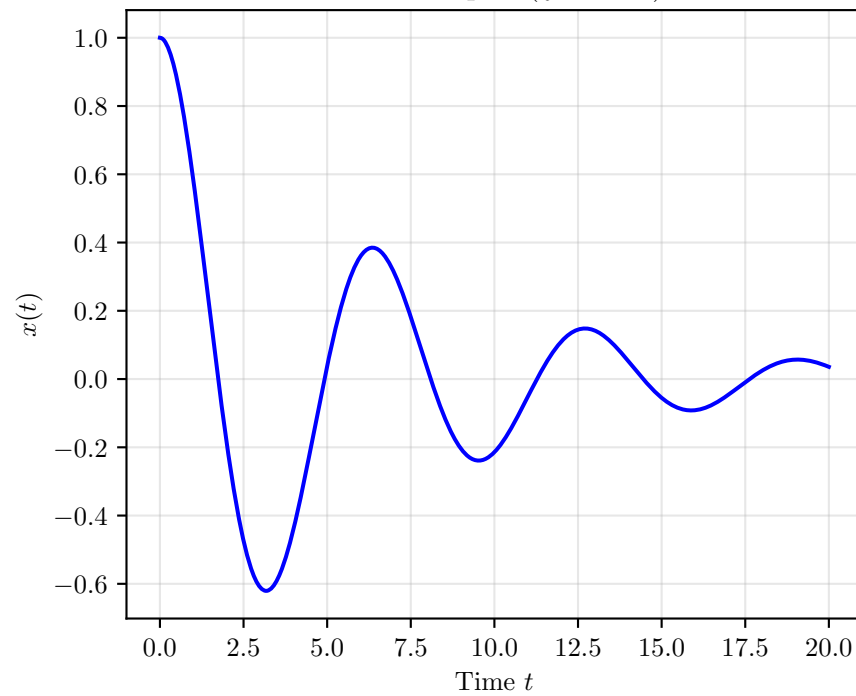
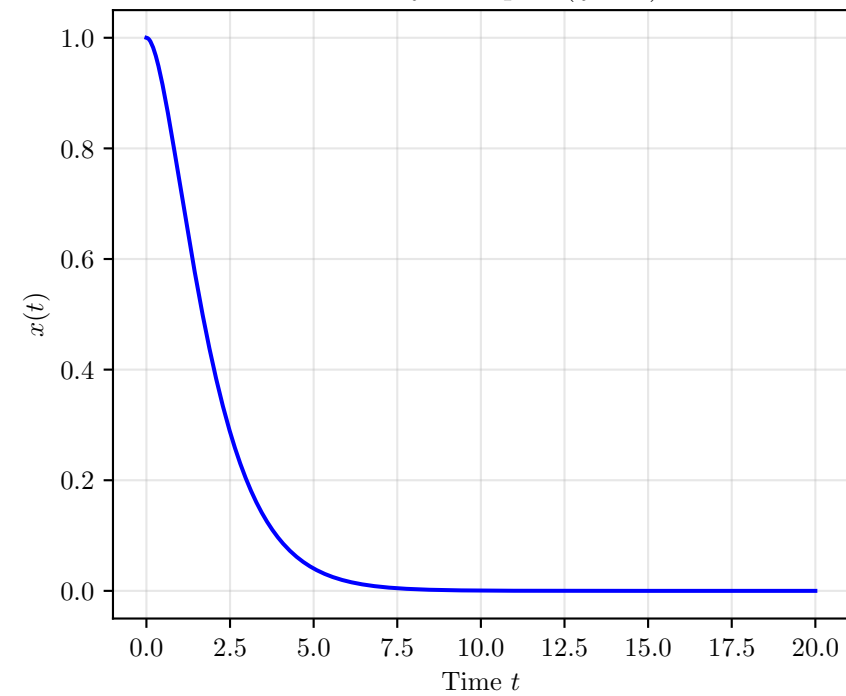
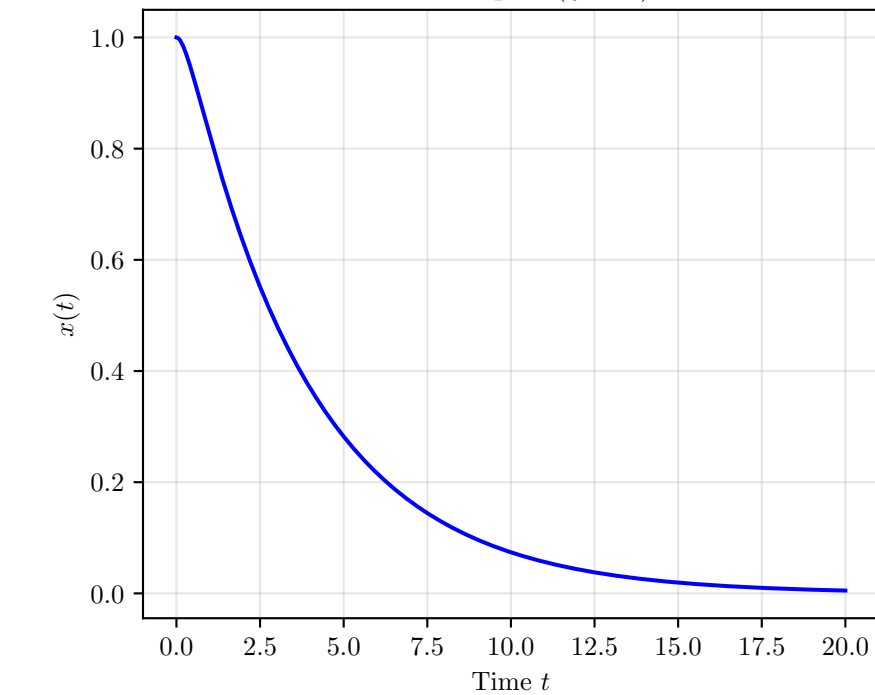
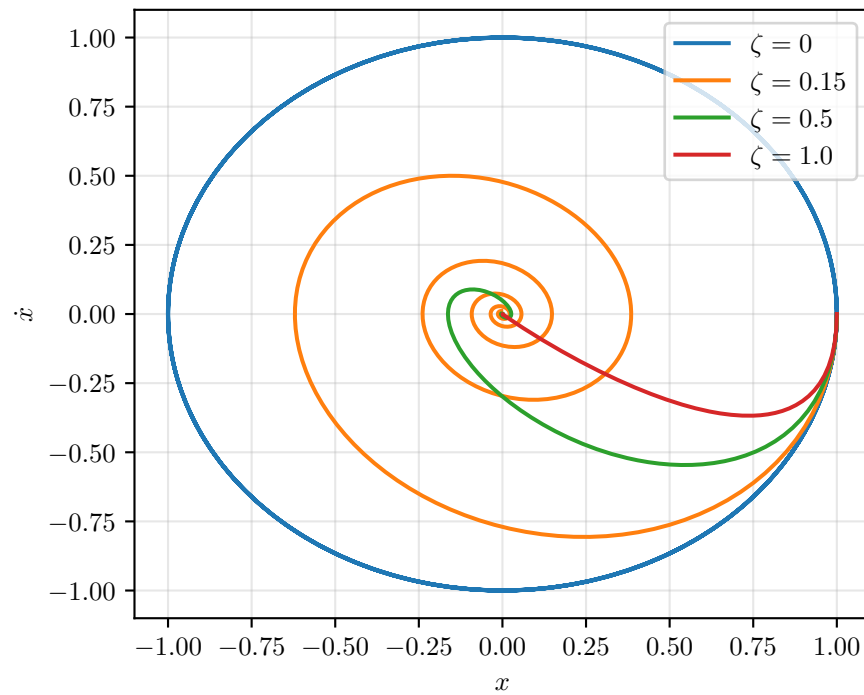


Undamped ( $\zeta = 0$ )Underdamped ( $\zeta = 0.15$ )Critically Damped ( $\zeta = 1$ )Overdamped ( $\zeta = 2$ )

Phase Portraits



Energy Decay

