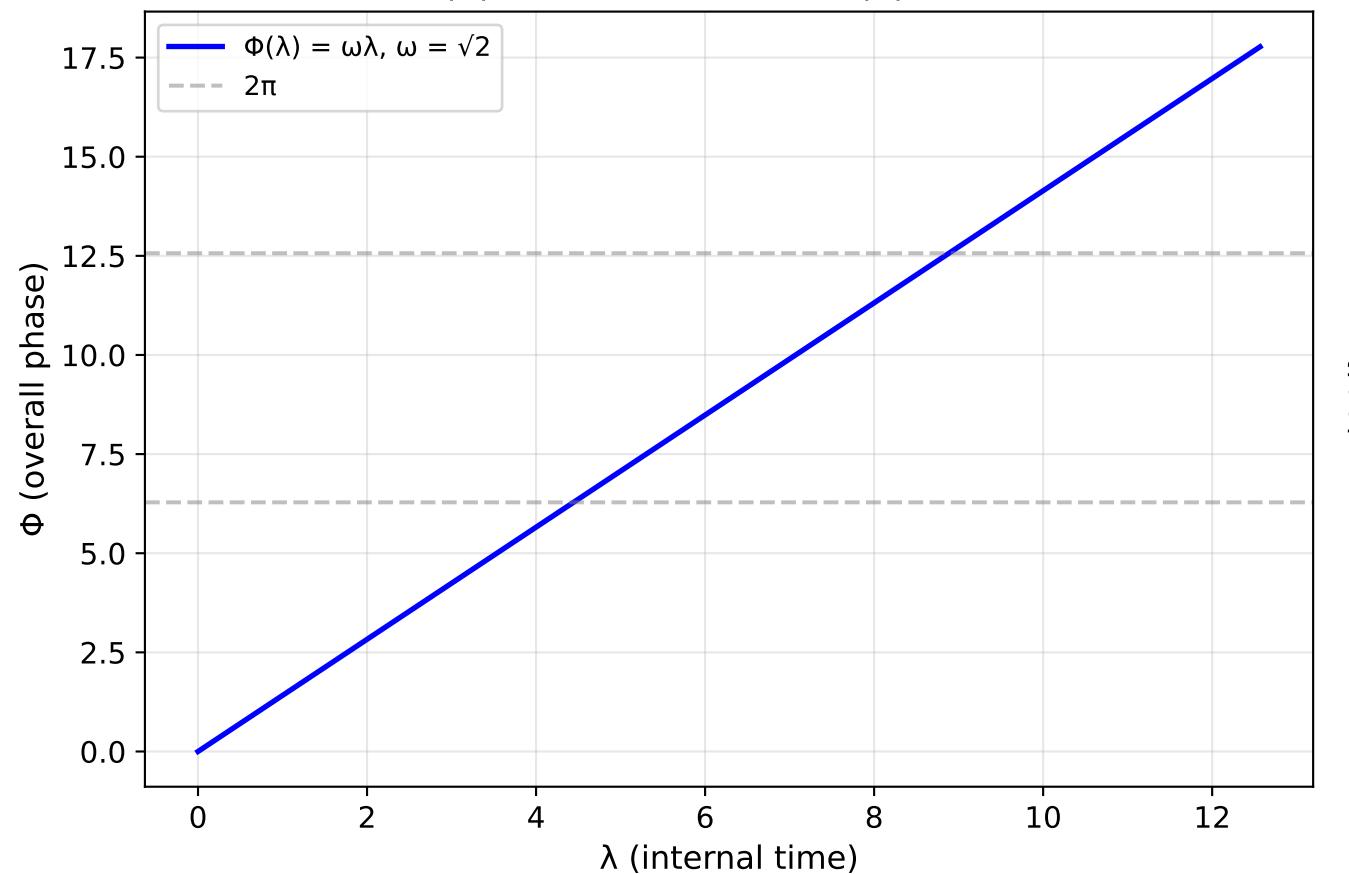
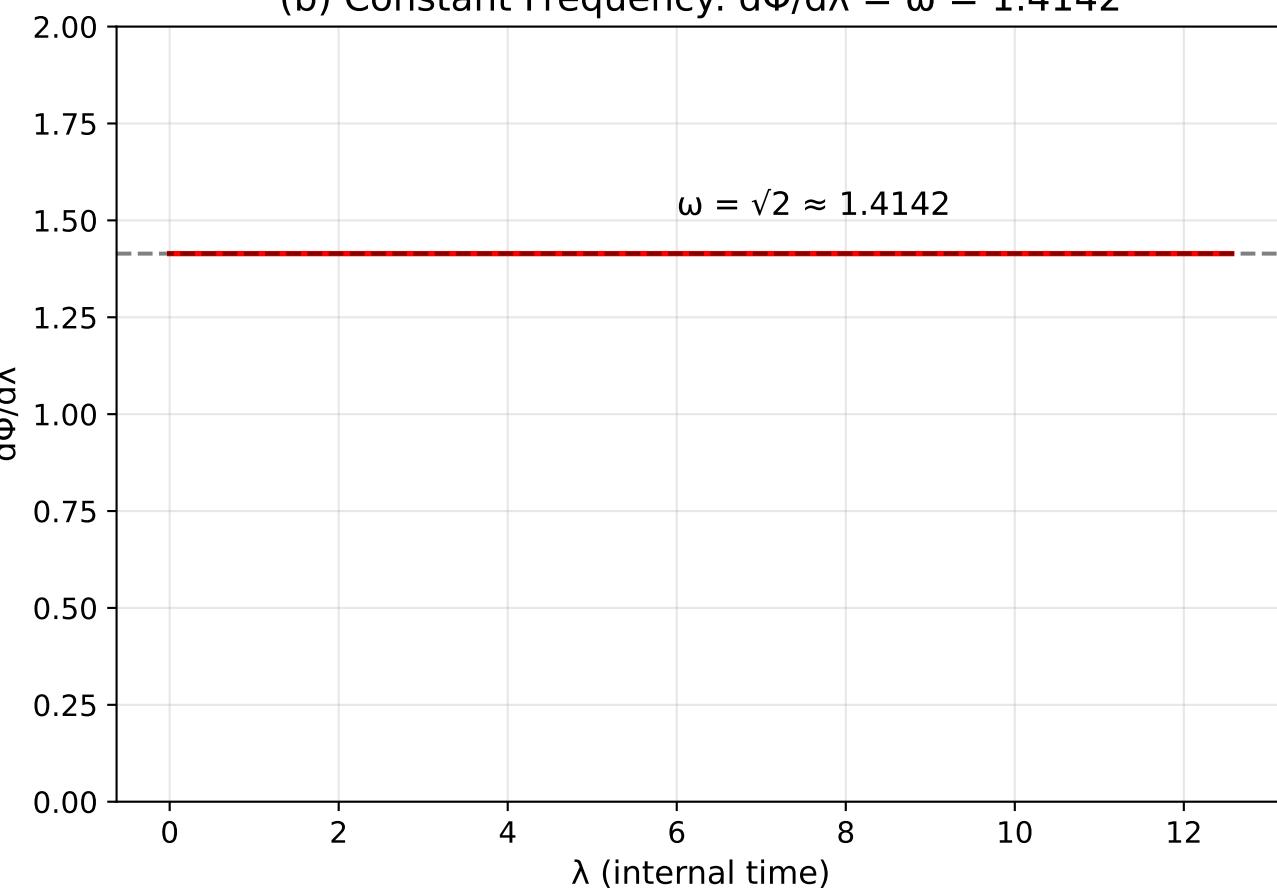
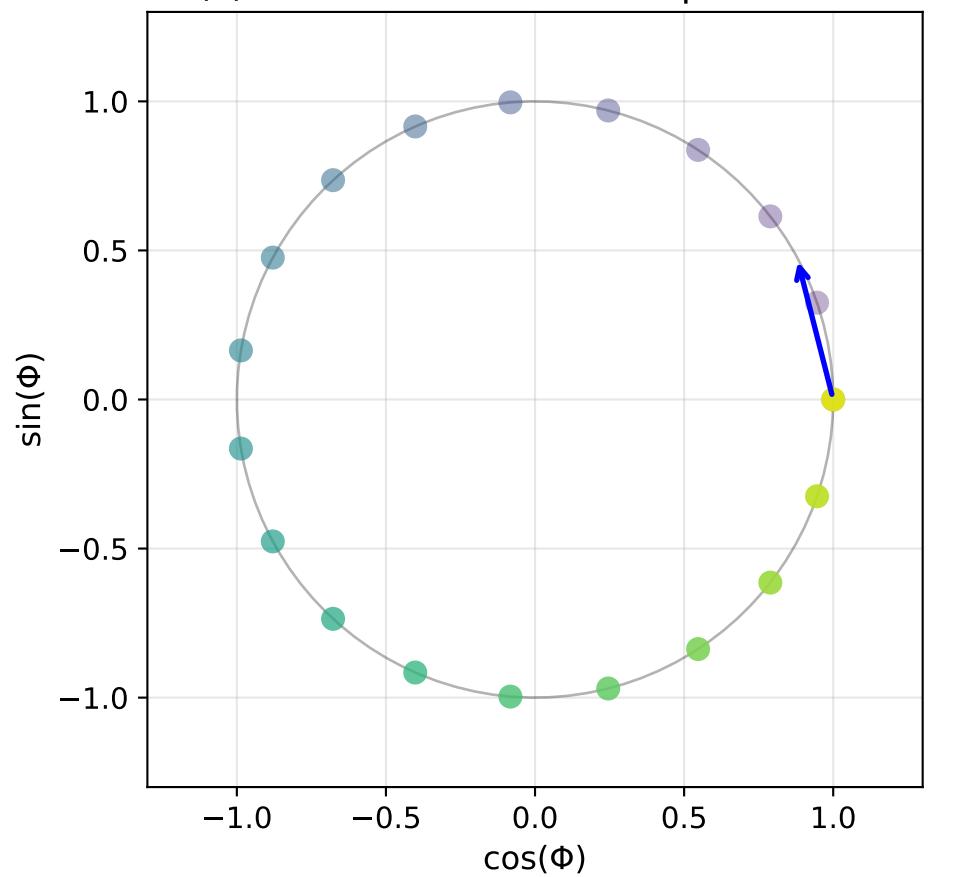


(a) Phase Evolution: $\Phi(\lambda) = \omega\lambda$ (b) Constant Frequency: $d\Phi/d\lambda = \omega = 1.4142$ 

(c) Phase Rotation in Complex Plane

(d) Physical Time: $t = \lambda/\omega$ 