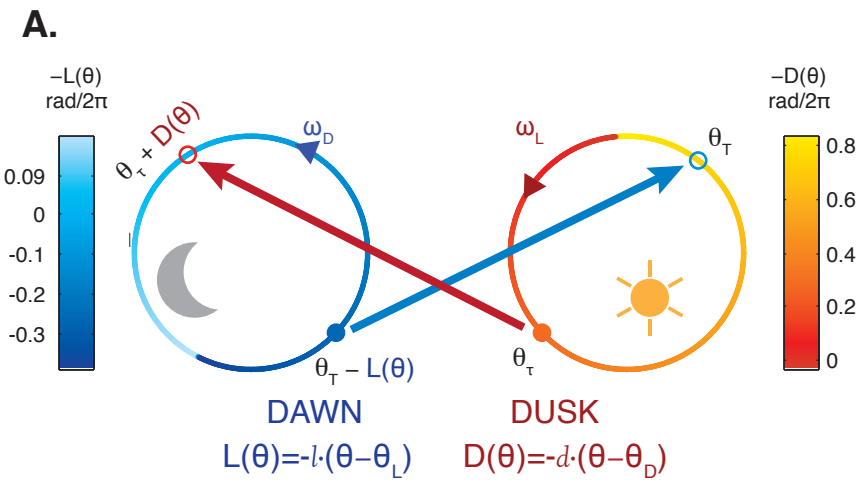
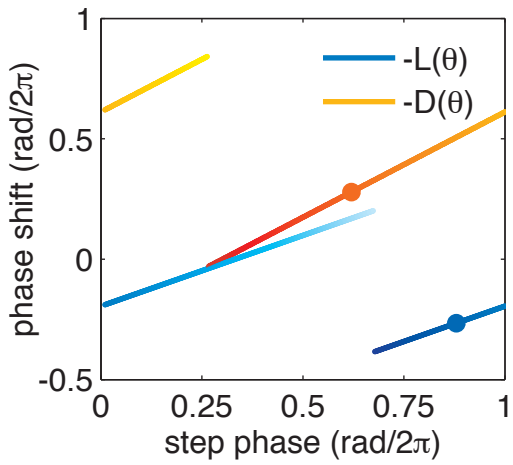
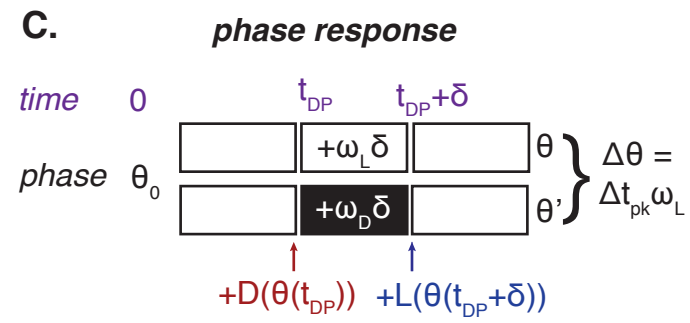
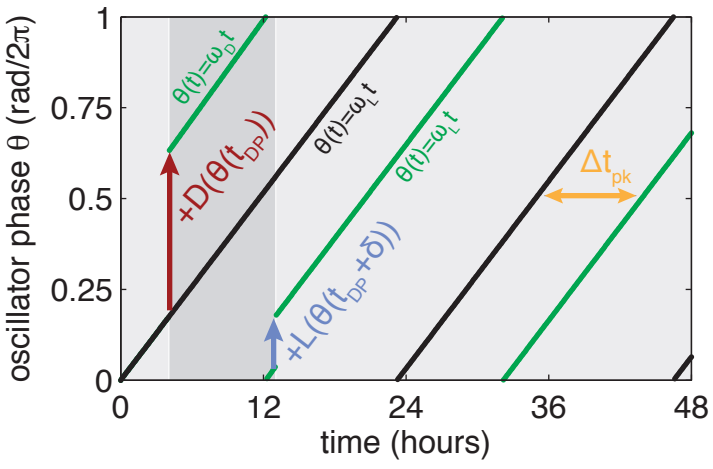
Figure—Mathematical Appendix.



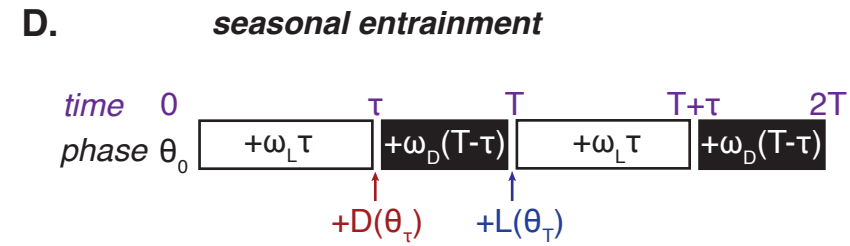






$$\Delta t_{pk}\,(t,\delta) = \theta_t\left(\frac{1}{\omega_L \beta_2}\right) + \delta\left(1+\frac{\beta_1}{\beta_2}\right) - C_1$$

$$\beta_1 = -\frac{(1-l)\frac{\omega_D}{\omega_L}}{d+l-ld} \qquad \beta_2 = \frac{1}{d+l-ld}$$



$$t_{pk} = \tau(1-\beta_1-\beta_2) + T\beta_1 + C_2$$

$$\beta_1 = -\frac{(1-l)\frac{\omega_D}{\omega_L}}{d+l-ld} \qquad \beta_2 = \frac{1}{d+l-ld}$$