$$P(t) = H_s\left\{\sin\left[\frac{2\pi(t + t_0 - \tau)}{T}\right] - A\right\}$$

$$A = \cos\left(\frac{\pi\Delta t}{T}\right);\ \ t_0 = \frac{T \cdot \arcsin(A)}{2\pi}$$

H_s = Heaviside step function (flc2hs)

t = pulse delay

T = pulse period = 1/f

Dt = pulse width

t_0 = makes the first pulse start at t = 0