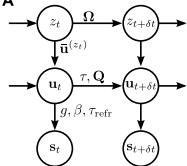


**A****B**

variables	parameters
$z$ population state	$\Omega$ state transition matrix
$u$ subthreshold membrane potentials	$\bar{u}^{(z_t)}$ resting potentials (state dependent)
$s$ spike counts	$\tau$ presynaptic time constant
	$Q$ process noise covariance matrix
	$g$ firing rate when $u = 0$
	$\beta^{-1}$ spiking stochasticity
	$\tau_{\text{refr}}$ refractory period

**C**