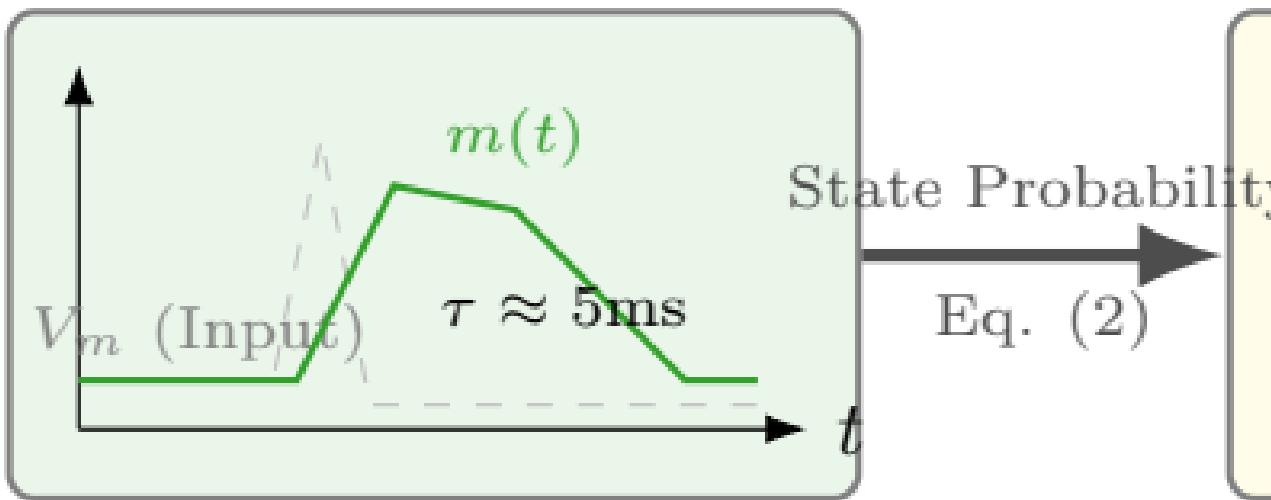


A. Ci-VSP Sensor Kinetics



Input: Membrane Voltage
(Biology)

B. Nonlinear Coupling

$$\beta_{NL}(t) = \beta_0 + \eta \cdot m(t)$$

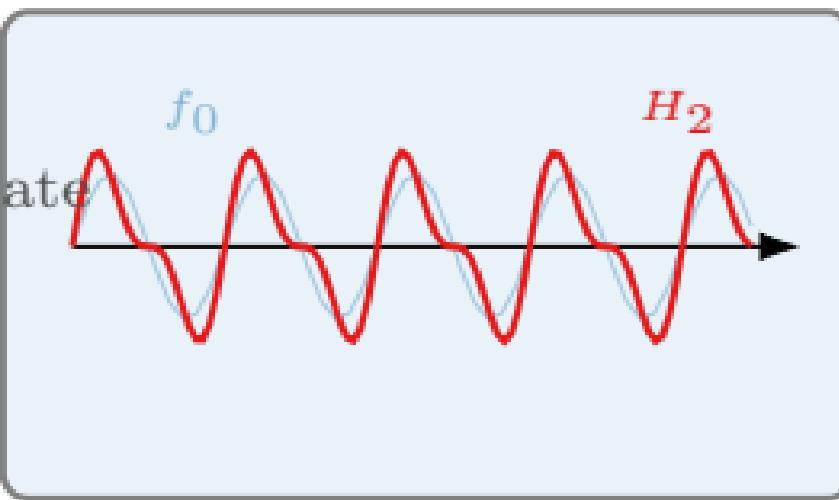
Variable Elasticity

State Probability
Eq. (2)

Parameter Update
Eq. (1)

Transduction Interface
(Nanotechnology)

C. Acoustic Modulation



Output: Harmonic Backscatter
(Physics)