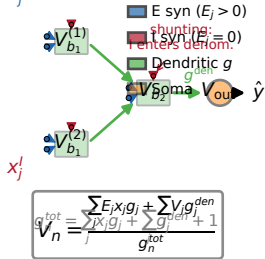
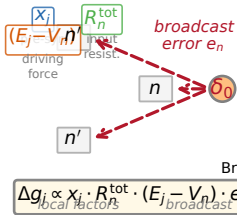


**A**  $x_j^E$ **B****C**

$$3 \Delta g \propto x_j (E_j - V_n) \cdot \delta$$

pre × driving force × error

$$4 \Delta g \propto x_j (E_j - V_n) \cdot \delta \cdot \rho$$

+ morphology modulator  $\rho$

$$5 \Delta g \propto x_j (E_j - V_n) \cdot \delta \cdot \rho \cdot \phi$$

+ information factor  $\phi$

Broadcast  $\delta$ : scalar | per-soma | local mismatch