

$$|\vec{R}_\perp| = \frac{N}{N+1} \cdot \left(D \cdot |\vec{R}_t| - \sqrt{D^2 \cdot |\vec{R}_t|^2 - \left(\frac{N+1}{N}\right) \left(\frac{\bar{R}_t \cdot ISI_v \cdot n}{\tau_e}\right)} \right)$$

$$FDR = \frac{1}{\bar{R}_t} \cdot \frac{1}{n} \sum_{i=1}^n (|\vec{R}_\perp| \cdot \hat{R}_\perp)$$