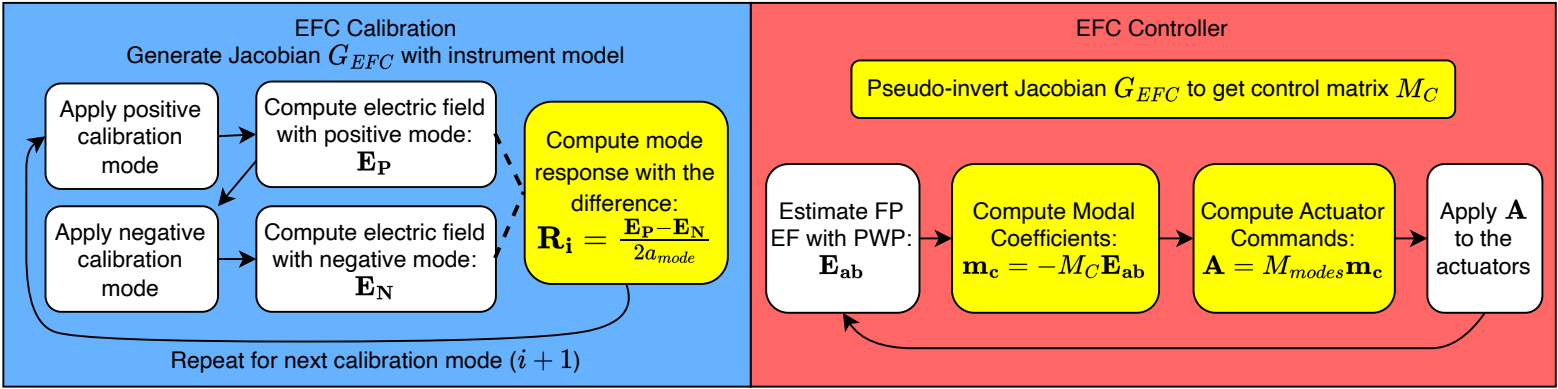
EFC Calibration
Generate Jacobian G_{EFC} with instrument model
Apply positive calibration mode
Compute electric field with positive mode: $\mathbf{E_P}$
Apply negative calibration mode
Compute electric field with negative mode: $\mathbf{E_N}$
Compute mode response with the difference: $\mathbf{R_i} = \frac{\mathbf{E_P} - \mathbf{E_N}}{2a_{mode}}$
Repeat for next calibration mode $(i+1)$
EFC Controller
Pseudo-invert Jacobian G_{EFC} to get control matrix M_C
Estimate FP EF with PWP: $\mathbf{E_{ab}}$
Compute Modal Coefficients: $\mathbf{m_c} = -M_C\mathbf{E_{ab}}$
Compute Actuator Commands: $\mathbf{A} = M_{modes}\mathbf{m_c}$
Apply $\mathbf{A}$ to the actuators