**Dynamic clamp equations in DCLAMP V2.X:  
J. Dempster, 10/11/2015**

Calcium current:  
Rate Equations

Where  
Gmax = maximum conductance  
FF = Fraction fast inactivation  
m = Activation parameter  
hfast = Fast inactivation parameter  
hslow = Slow inactivation parameter  
  
Activation steady state, voltage dependence  
  
Activation time constant, voltage dependence  
Inactivation steady state, voltage dependence (same for both fast and slow)