# SBE II: Homework 3

## Experiment-1:

We are asked to perform dimensional analysis to determine the units of parameters and in the state equation for Calcium concentration:

Knowing that the units of are , we can clearly observe that the concentration of Calcium is in units of . This means that the units of .

We notice that the term in the equation must be in units of . Since current is in units of , we know that the units of .