Meeting 2-3-2017



black = Matlab model with fixed Ca2+

red = CellML model with fixed Ca2+

green = CellML model with dynamic Ca2+



red = CellML model with fixed Ca2+

green = CellML model with dynamic Ca2+

* A simple fixed-time step euler solver is not available in matlab unless you code one up.  So for now, I would advise to not go down this route.
* Double check the work loop protocol to make sure that it is the same between your code and mine.
  + can you please explain to me the work-loop protocol of your model?
  + Is my goal to be able to exactly replicate Kenneth’s results? or perhaps I should just try to figure out why the duration of the isotonic shortening phase is dependent on the output time step…
  + Basically at what point should I feel confident going ahead and producing some of the figures from the manuscript?
* The Ca2+ transient is quite skinny, I’m not sure what to think about it… It looks very different to the fixed Ca2+ transient. Should this be something I look into more?

Params = [MgATP,Pi,MgADP,Cai\_index,pH,Pmass,Pvel,Afterload,loop,preload\_SL,T\_loop TmpC];

T\_loop(1) = Params(11);

T\_loop(2) = Params(12);

