- Review paper: <https://www.sciencedirect.com/science/article/pii/S0079610710000362>  
- Nektar++ papers: <https://www.sciencedirect.com/science/article/pii/S0010465515000533>  
and <https://www.sciencedirect.com/science/article/pii/S0010465519304175>  
- Optimal discretisation selection: <https://www.cambridge.org/core/journals/mathematical-modelling-of-natural-phenomena/article/from-h-to-p-efficiently-selecting-the-optimal-spectralhp-discretisation-in-three-dimensions/32CFF68216E55EBB94C3DCC85AC8C1AB>  
- Courtemanche model: <https://journals.physiology.org/doi/full/10.1152/ajpheart.1998.275.1.H301>  
  
I attach a set of example input files for the CardiacEPSolver. If you have run "module load nektar++", you should be able to run them with the command:  
CardiacEPSolver crn.xml conditions.xml  
  
You can convert the output files to .vtu files with the command:  
for i in $(seq 0 20); do ~/nektar++/build/dist/bin/FieldConvert crn.xml conditions.xml crn\_$i.chk crn\_$i.vtu; done  
  
You should be able to open the whole sequence in paraview and see an animation of the propagation.

<https://pkel015.connect.amazon.auckland.ac.nz/SolidMechanicsBooks/FEM/index.html>

<https://pkel015.connect.amazon.auckland.ac.nz/SolidMechanicsBooks/FEM/One_Dimensional/02_FE_Method.pdf>