|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Python Protocol | Main Model | Ca2+ Model used by Main: | Cross-bridge (XB) Model used by Main: | Output shown in figures: |
| 🖒 main\_WL\_dynamicCai.py | THR\_dynamicCai.cellml | Cai\_Dynamic.cellml | cross-bridge.cellml | 4, 5, 6 (black lines) |
| 🖒 main\_WL\_fixedCai.py | THR\_fixedCai.cellml | Cai\_Fixed.cellml | cross-bridge.cellml | 7, 8  (black lines) |
| 🖒 main\_Isometric.py | THR\_dynamicCai.cellml | Cai\_Dynamic.cellml | cross-bridge.cellml | 4, 5, 6, 8  (grey lines) |

>> python.opencmiss.old␣ Python Protocol ␣ Main Model

To run one of the above models:

1. Run python Protocol + Main Model
2. The output of the simulation(Saved in Output\_Data) will have the following naming convention:

WL/Isometric \_D/F\_afterload/SL.csv

\* If F, then \_CaiSL is included after “afterload”

1. Matlab