2020-03-30

TODO: (from last session 2 weeks ago )

* CostFunction visualize
  + using alpha piecewise continuous
  + when alpha changes sign, will need to adjust cost function logic according to my notes in
    - DevNotes/larnder/2020-03-05/CostFunctionWithSign.docx
    - easy simplification: sign(alpha\*omega) = sign( ar\_dot )
  + visualize minimization algorithm: series of connected dots superimposed on the cost function. ( DONE! discuss Jeromes plots together..)
* PolyPlotter integration from last week ( Hoang Anh )
  + single class: two calls: PolyPlot() or MultiPlot()
* Calligraphy: Pedagogical annotations of acceleration graphs: finish up
* Calligraphy: design of prototype AccelPen.

MORE TODO:

* COVID-compliant labs: priority
  + Kinematics-Calligraphy lab
  + Translate SpatialReasoning doc in french for online use.
    - Jerome
* 3D design of SpinFrame component.
* Cost function visualize angular variation.
  + rotate accel data by theta ( 0 to 90 deg ). Apply cost func with ideal r value.
  + Plot.
  + Try applying minimization
  + Use const-alpha sim data to start with.
* Find and evaluate online pair programming tool