Intended use case

On-board pi, reading parameter K , and updates it

- What Akila wants:
  - K-computing node separate from controller node
    - Clarity, cleaner separate
    - Widen the solution space to write K-controller (python, matlab, simulink)
  - K-computing node will run where ?
  - Reduce computations (hard code) K-computing controller

To keep in mind:

- Is the exercise a result of this issue?
- Is there another uses for this controller? If we can handle two use cases at once, letds do it (future research and 145 class). If we cant hit two birds with one stone, I don't mind helping you do both man. One simulink and one python. Lets just make sure we clear this up head to minimize dev time.
- You asked if I thought there was any benefit to having me carry out the single-node architecture that we are currently stuck on. I'm learning either way dude. I dont like throwing away work, but thats always part of the process. I'd like to help you fit both use cases if possible, regardless of what language we use. For sure solving this str2mat 9and vice versa) problem would be beneficial to learning more about the limitations of codegen. ex. Can we at least convert characters to numbers (and vice versa)? If so, functions can be manually written to circumvent these codegen bugs. In other words, you know im comfortable in python. But this simulink exposure only helps future work (omnibot, drone, voleus).

Maybe:

Look into how the K is computed, simplify computations, to not use syms.