Moving in I axis borrotation while leeping the ofter constat: correct words: (5,5) length at any given point, given brown O, A' = *A (5,5) target coolds: (3,5) last leagh (iffy) 1 coordinates: (-2,0) to find: de target leigth of arm at any given prize instant bet betweente start wordinate and end wordinate, given the angletromorigin, initial laught of themes, initial longth of the win, and the larget given the initial angle from oviging taget angle from origin, correct angle from origin, initial length of them, taget length of them To keep in maind: length = \(\lambda^2 + y^2 PIDcoliollosps, fiting crossove the low scottlemore, making it work to both wards at once. finding of from correctlength & angle from origin: y = length - sin (Oconet) Relative Control: assuming the operator corrects mistakes:

this squares
assuming that the bot's operator courselhearn ermake corrections,
TR. Robotarm only moves venjoysticks are out of the adjunes: Determine rate of movement (atcenter) by m utiply speed = length of robotarm . joystick analog reading outside of headsone . constant that makes the of length speed = length · (joystick (-x, 0)

Maintaining