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##APENDICE C CÓDIGO PYTHON DE LECTURA DEL PUERTO SERIAL
#----- importar modulos incluyendo al actor ------ importar modulos incluyendo al
from direct. showbase import DirectObject
from pandac. PandaModule's import
from direct. task. Task import Task
from direct actor import Actor
import sys
import Gnuplot, Gnuplot.funcutils
import time
import serial
import os
if __name__ == '__main__':
     import direct. directbase. DirectStart
#----- definición de todos los métodos en la clase principal ------
class seri_class(DirectObject.DirectObject):
     def __i ni t__ (sel f):
#----- tecla ESC termina al ejecucion del programa ------self.accept('escape', sys.exit) self.nodoBase=render.attachNewNode('legraf nodoBase')
          sel f. confi g()
         self.coming()
self.peticion()
self.lectura()
self.ar= open('tt.txt','w')
self.ar.writelines('0 0 0 0 0 0\n')
self.ar.close()
self.graf=Gnuplot.Gnuplot(debug=0)
self.graf.title('Datos IMUs')
          sel f. graf. pl ot (
                             ## Gnuplot.File('tt.txt',using='1',with_='linespoints',
title = 'Ax'),
                            ## Gnuplot. File('tt.txt', using='2', with_='linespoints',
title = 'Ay'),
                            ## Gnuplot. File('tt.txt', using='3', with_='linespoints',
title = 'Az'),
                            Gnupl ot. File('tt.txt', using='4', with_='linespoints', title =
'Wx'),
                            Gnupl ot. File('tt. txt', using='5', with_='linespoints', title =
'Wy'),
                            Gnupl ot. File('tt.txt', using='6', with_='linespoints', title =
'Wz')
          taskMgr.add(self.update, "Update comm")
#----- serial ----- configuracion de puerto serial -----
     def config(self):
          self.ser = serial.Serial(4)
self.ser.baudrate =115200
          sel f. ser. open()
     def peticion(self):
          self.ser.write("@")
    def lectura(self):
    self.p = self.ser.read(42)
    self.datos = []
          for algo in self. p. split():
```