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spot_map.py
import numpy as np
import visual_map
import os, re, sys
import time, math, string
from matplotlib import pyplot as plt
print ('in python script'
f = open ('filter_list.tmp'
num_lines = sum(1 for line in open('filter_list.tmp'
                                                         ))
info_log = np.zeros(11664)
# reading input file line by line to get ID of cell and spot number
for line in xrange(0, num_lines):
    line_content = f.readline()
    line_content = line_content.split()
    filename = line_content[0]
    i = int(filename[-9:-4])
    if (sys.argv[1] == '-s' ):
        info_log[i] = int(line_content[1])
    if (sys.argv[1] == '-i' ):
         info_log[i] = line_content[1]
#for i in xrange(0,num_lines):
# print(spot_log[i])
x_list, y_list, z_list = [], [], []
\# [addr] = i, [i] = addr
collect_addr_dict, collect_ordr_dict = visual_map.collect_dicts()
#normal_addr_dict, normal_ordr_dict = visual_map.normal_dicts()
fid_list, corners_list = visual_map.index11664_fiducials()
for j in range(0, 11664):
    addr = collect_ordr_dict[j]
    #addr = normal_ordr_dict[j]
    x, y = visual_map.get_xy(addr)
    if (sys.argv[1] == '-s' ):
        z = info_log[j]
   if(info_log[j] > 50):
     z = 100
    else:
   __z = 0
    if (sys.argv[1] == '-i' ):
        if (info_log[j] > 0.1):
            z = 100
        else :
             z = 0
    x_list.append(float(x))
    y_list.append(float(y))
    z_list.append(float(z))
X = np.array(x_list)
Y = np.array(y_list)
Z = np.array(z_list)
xr = X.ravel()
yr = Y.ravel()
zr = Z.ravel()
print ('before plot'
\label{eq:figure_num} \textit{figsize=(9,9), facecolor='0.6'} \ \ , \ \textit{edgecolor='k'} \ )
fig.subplots_adjust(left=0.03,bottom=0.03,right=0.97,top=0.97,wspace=0,hspace=0)
ax1 = fig.add_subplot(111, aspect='equal', axisbg='0.7'
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np.save('info\_log.npy' , info\_log)