import matplotlib  
matplotlib.use('TkAgg')  
import matplotlib.pyplot as plt  
x = [0, 0, 0.14016, 0.2688, 0.5472, 0.55488, 0.98496, 1.2096, 1.28256, 1.36512, 1.58208, 1.69344, 1.9776, 2.02944, 2.0736, 2.08512, 2.20224, 2.2752, 2.39232, 2.4576, 2.46336, 2.66304, 2.85504, 3.0048, 3.11616, 3.264, 3.30624, 3.32736, 3.3696, 3.50784, 3.6384, 3.73824, 3.9168, 4.00128, 4.07232, 4.48128, 4.49088, 4.59072, 4.59456, 4.80768, 4.88256, 5.08416, 5.2608, 5.26848, 5.34912, 5.45088, 5.58144, 5.61216, 5.80608, 5.82912, 5.91744, 6.22272, 6.61632, 6.76032, 6.79296, 6.81792, 6.8256, 6.99072, 7.21152, 7.26528, 7.33632, 7.6032, 7.62624, 7.66848, 7.77216, 7.83168, 7.91808, 7.95456, 8.21184, 8.24064, 8.50752, 8.52288, 8.59008, 8.6304, 8.63232, 8.64768, 8.66496, 8.76672, 8.80512, 8.8416, 8.84736, 9.02592, 9.08544, 9.15264, 9.24288, 9.40416, 9.54624, 9.58272, 9.65952, 9.77856, 9.78048, 9.87456, 10.01472, 10.03584, 10.19136, 10.22784, 10.25472, 10.31232, 10.42368, 10.51392, 10.63296, 10.74816, 10.80192, 10.80192, 10.87872, 11.10336, 11.15904, 11.2992, 11.7504, 11.93856, 12.05568, 12.70656, 12.71808, 13.82016, 13.98144, 14.30016, 15.2448, 16.53888, 16.68864, 18.30144, 18.59136, 19.12704, 19.59552, 19.8144, 20.92032, 20.97408, 21.51168, 24.17088, 25.55328, 34.33536, 36.57408, 62.07936]  
plt.style.use('Solarize\_Light2')  
plt.hist(x, bins=9, color='blue', edgecolor='black')  
plt.title("GE1")  
plt.show()  
print(plt.style.available)