



I was able to get an area value = 3.1412 running 10^7 samples. This gave a standard deviation of 0.016281069625795473 and a standard uncertainty as 1.6281069625795473e-06. Also, the histogram for 10^8 samples had a narrower distribution, but I accidentally closed Spyder

before saving the area, and uncertainty information, and when I tried to run 10^8 samples again, my computer got mad at me and overheated :(. Hence 10^7 samples will have to do for now.