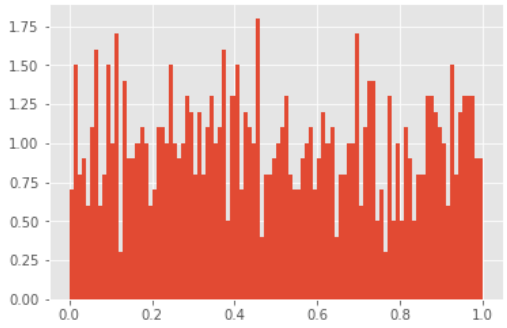
Problem (3-4)

Problem 3

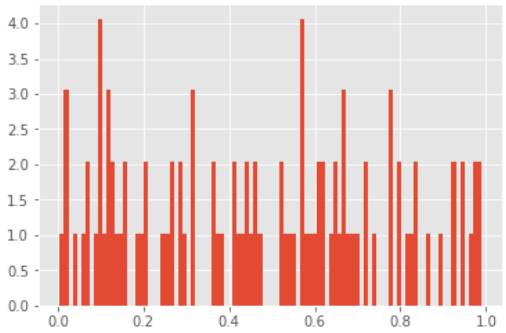
0.0/1.0 point (graded)

Make a histogram plot using the code example used in the video, changing only the size of the uniform random numbers from 10^5 to 10^3. Which of the following graphs (G1, G2, G3, G4) is the closest to what you obtained?

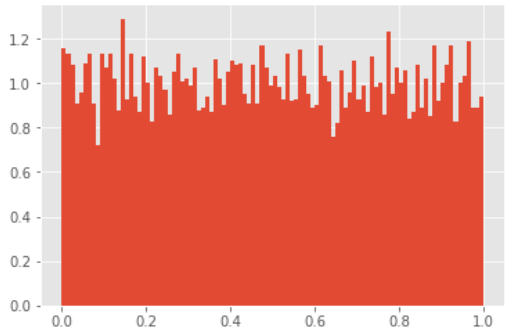
G1



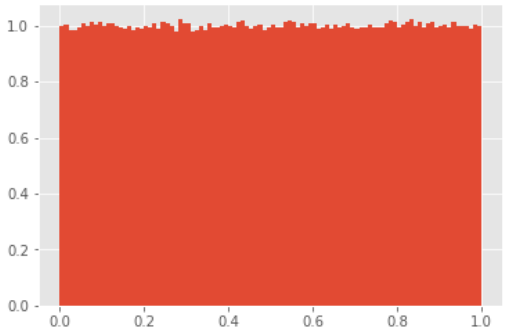
G2



G3



G4



- ○ G1
- ○ G2
- ○ G3
- ○ G4

Submit You have used 0 of 2 attempts

Problem 4

0.0/1.0 point (graded)

The following code was made to plot $\sin\theta\cos\theta$ versus θ for $-\pi \leq \theta \leq \pi$, but it possesses potential bug(s). Debug the code and select the line number(s) where you found the bug(s).

```
x = np.linspace(-pi,pi)
y = np.sin(x)*cos(x)
plt.plot(x,y)
plt.xlabel(r"$\theta$")
plt.legend([r'$\sin\theta\cos\theta$'])
plt.show()
```

- 1st line only
- 2nd line only
- 5th line only
- 1st and 2nd lines only
- 1st and 5th lines only
- 1st, 4th, and 5th lines only

Submit You have used 0 of 2 attempts