PHYS 325: Computational Physics III

Winter 2023

Exercise 3.1

1. Use the rejection method to generate $N = 10,000$ points $\{x_i\}$ distributed according to the distribution

$$p(x) = 6x(1-x)$$

for $0 \leq x \leq 1$. Draw a histogram of the results, with binning interval 0.05.