Problem Set 4

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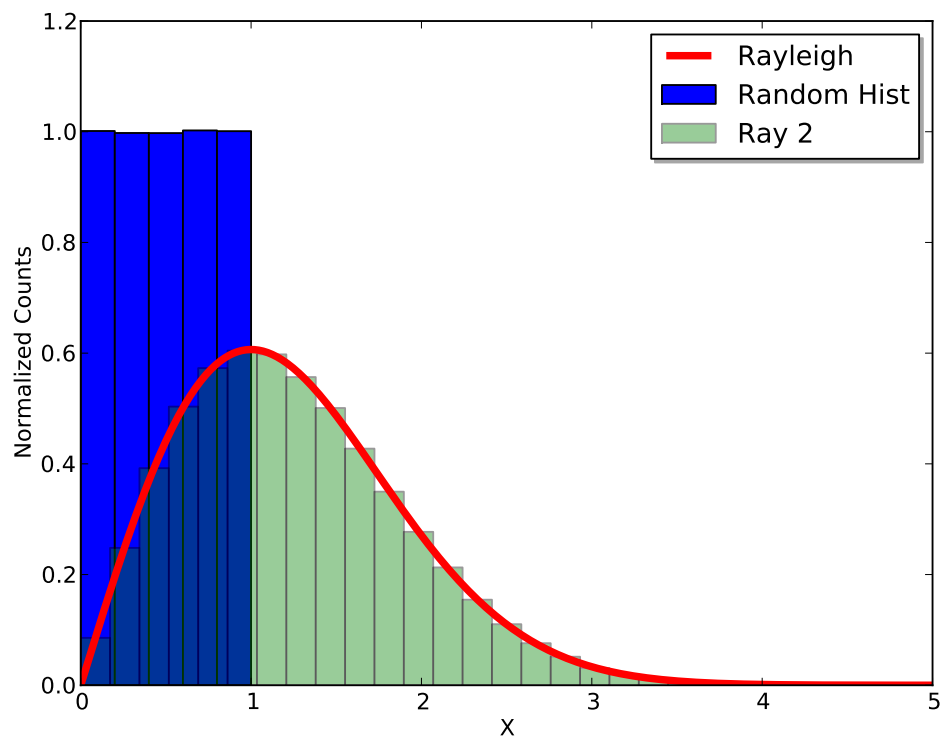AST615 University of Maryland College Park, MD

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Problem 1

Figure 1: Plot showing the uniform deviate and the Rayleigh deviate. The expected Rayleigh distribution has been displayed for comparison.
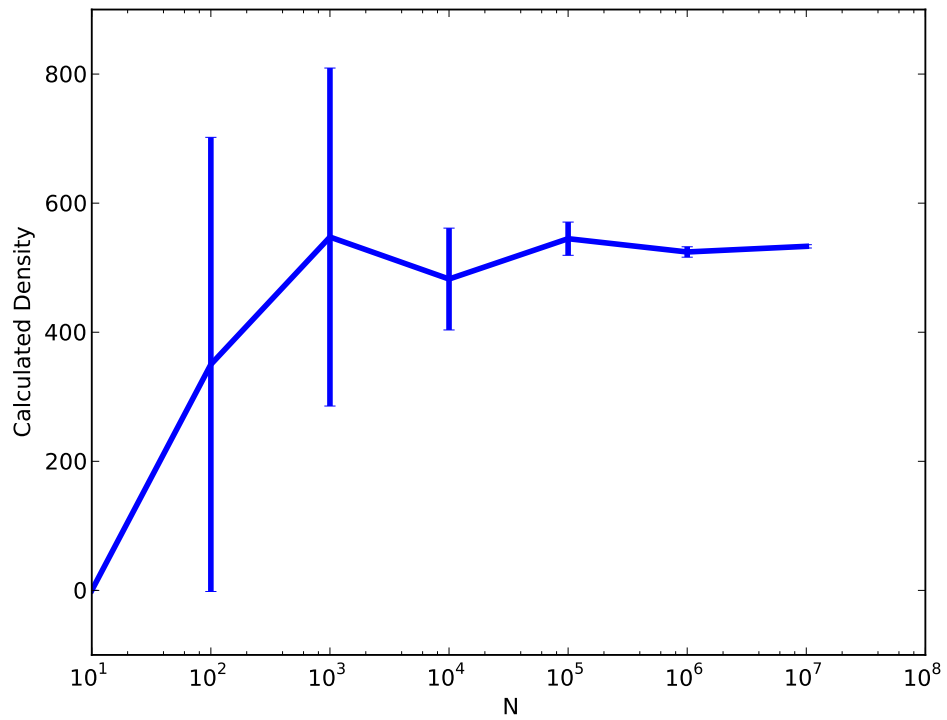
Problem 2

Figure 2: Calculated density with errors as a function of number of points (N). Datapoints showing 0 for density and 0 for error had no random points lie withint the area of interest.