

Project 5 - FYS3150 Computational Physics

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Abstract

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1 Introduction

- a,b) We start the simulation with the simplest model: Initial amount $m_0 = 1$ with no saving ($\lambda = 1$) and no preference for transaction partners ($\alpha = 0, \gamma = 0$). In this case, we expect the Gibbs distribution

$$w_m = \beta \exp(-\beta m)$$

where $\beta = \langle m \rangle^{-1} = m_0^{-1}$.

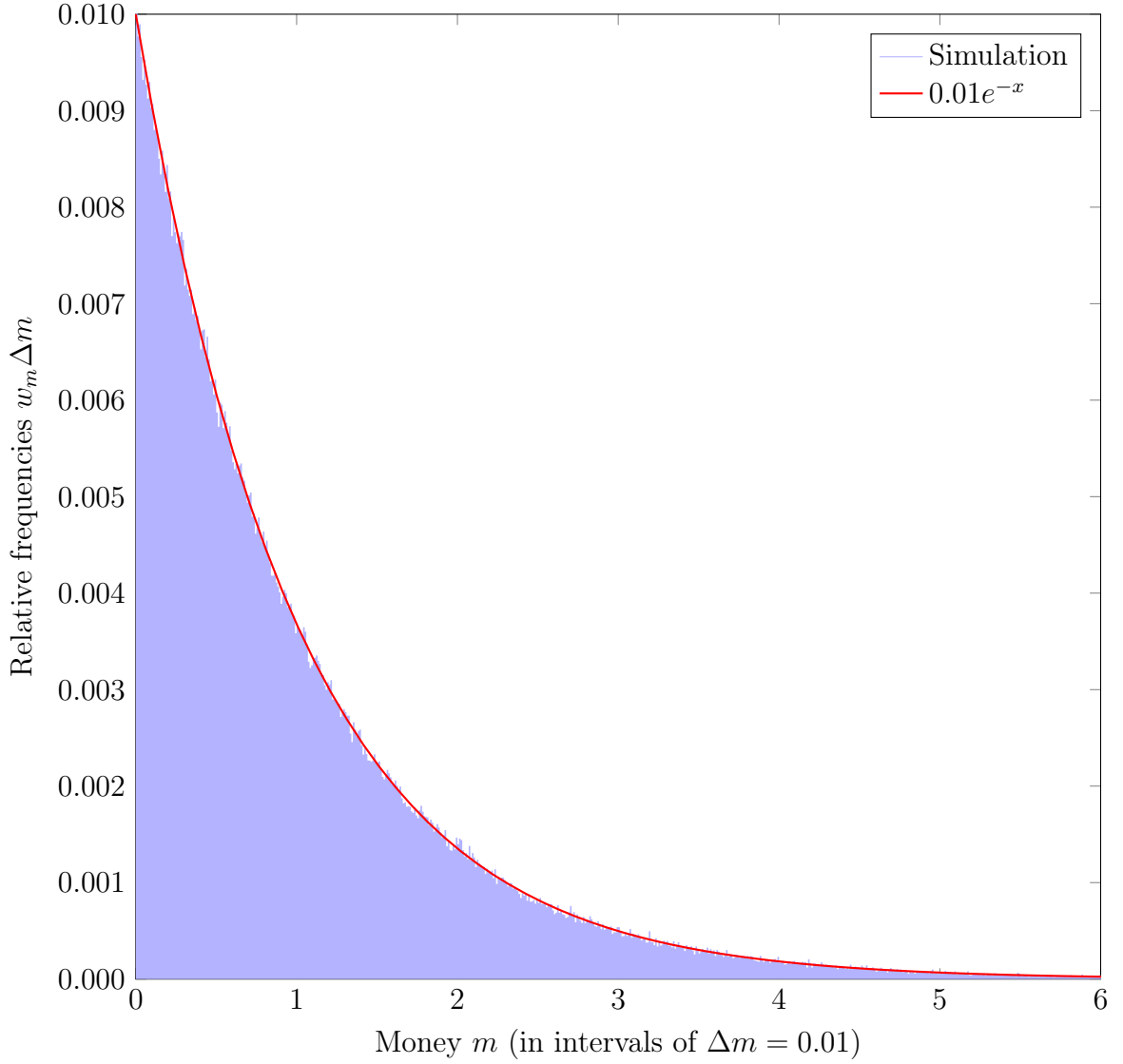


Figure 1

5d) $R = 10^3$, $K = 10^6$.

5e) $R = 10^3$, $K = 10^6$, $S = 1000$

