



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Lecture with Computer Exercises: Modelling and Simulating Social Systems with MATLAB

Project Report

Insert Title Here
...

Name 1 & Name 2

Zurich
May 2008

Agreement for free-download

We hereby agree to make our source code for this project freely available for download from the web pages of the SOMS chair. Furthermore, we assure that all source code is written by ourselves and is not violating any copyright restrictions.

Name 1

Name 2

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1 Abstract

2 Individual contributions

3 Introduction and Motivations

3.1 What is Self-Organized Criticality?

Self-Organized Criticality is the Concept that the dynamics of a physical system converge to a critical point independant of the bestowed boundary conditions. This critical point commonly is not the equilibrium point in a traditional, physical sense. The concept is best understood by example, so we shall bring up a very educative one introduced first by (P.Bak, C.Tang, K.Wiesenfeld, Phys. Rev. A 38, 19988):

4 Description of the Model

5 Implementation

6 Simulation Results and Discussion

7 Summary and Outlook

8 References