



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Parallelized Stochastic Reaction-Diffusion Simulations with GPGPU and multi-core CPU

Bachelor Thesis

Fabian Gura

Munich School of Engineering
Technische Universität München

August 2014

Advisors ETH: Prof. Dr. Petros Koumoutsakos
Jana Lipková, M.Sc.
Advisor TUM: Prof. Dr. Hans-Joachim Bungartz