

UNIVERSITÄT PASSAU  
Fakultät für Informatik und Mathematik

## **EINLADUNG**

Herr Prof. Dr. Fabian Wirth  
lädt herzlich  
zu folgendem Gastvortrag ein:

**Am Dienstag, den 11. Juli 2017  
um 18.00 Uhr  
im Hörsaal 13, IM (Innstr. 33)**

spricht

**Prof. Dr. Sigurður Freyr Hafstein**  
(University of Iceland, Reykjavík, Island)

über das Thema  
**Numerical methods for computing Lyapunov functions**

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Siehe Abstract

# **Numerical methods for computing Lyapunov functions**

Prof. Dr. Sigurður Freyr Hafstein  
(University of Iceland, Reykjavík, Island)

**Abstract:** Lyapunov functions are an indispensable tool when studying the qualitative behaviour of dynamical systems.

In the last decades there have been numerous proposals of methods to compute such functions for nonlinear systems in different settings. We present some of the methods and discuss their relative advantages and disadvantages.