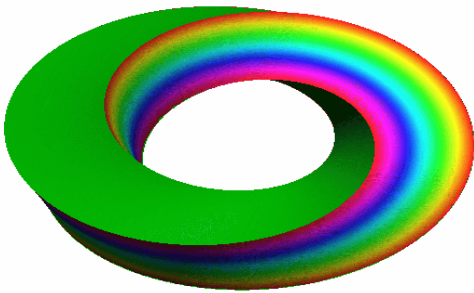


**Workshop on  
Numerical Analysis  
and  
Dynamical Systems**

**On the occasion of the 60th birthday of Wolf-Jürgen  
Beyn**

**April 9th, 2009**

Department of Mathematics, Bielefeld University



**Program**

**Lecture room H3**

- 9:00 Welcome address by the Rector of Bielefeld University  
**Dieter Timmermann**
- 9:15 **Jens Lorenz** (Albuquerque)
- Spectra and nonlinear stability*
- 10:00 Coffee break
- 10:30 **André Vanderbauwhede** (Gent)
- Change of stability without bifurcation: an example*
- 11:30 **Sergei Pilyugin** (St. Petersburg)
- Relations between shadowing and structural stability*
- 12:15 Lunch break
- 14:00 **Barnabas Garay** (Budapest)

- Discretized saddle dynamics - from Wolf-Jürgen Beyn's 1987 paper onward*
- 15:00 **Yongkui Zou** (Changchun)
- The generalized Hopf bifurcation for a class of 3-dimensional Filippov systems*
- 15:45 Coffee break
- 16:15 Dean of the Faculty of Mathematics **Hans-Georg Carstens**
- 16:30 **Hinke Osinga** and **Bernd Krauskopf** (Bristol)
- The Lorenz manifold: from mathematics to steel*
- 18:30 **Reception and Dinner at Bültmannshof**
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The workshop is part of the conference program of the DFG-sponsored [CRC 701](#) "Spectral Structures and Topological Methods in Mathematics" at Bielefeld University.