

Conceptual aspects of hydrodynamic stability
 October 9-12, 2006, Wolfgang Pauli Institute, Wien, Austria

All lectures in Seminarraum C714, 7th floor Nordbergstrasse 15

Monday, October 9, 2006

15:00-17:00	Registration
17:00-18:00	Welcome : A.Gelfgat, N. Mauser and A. Tsinober Introductory talk : A. Tsinober
19:00	Get together : Heurigen

Tuesday, October 10, 2006

9:30-10:30	F. Busse University of Bayreuth, Germany	Instabilities and the Evolution of Turbulence
10:30-11:00	Coffee Break	
11:00-12:00	A. Schekochihin Cambridge University, UK	MHD-Dynamo as an Instability Problem
12:00-13:00	K.A. Cliffe University of Nottingham, UK	End Effects in Taylor-Couette Flow
13:00-14:30	Lunch	
14:30-15:30	D. Henningson Royal Institute of Technology, Sweden	Transient Growth and Subcritical Transition in Shear Flows
15:30-...	Open discussions	

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Wednesday, October 11, 2006

9:30-10:30	J.-M. Chomaz LadHyx, France	Global Instabilities in Spatially Developing Flows: Application to the Cylinder Wake and the Separation Bubble
10:30-11:00	Coffee Break	
11:00-12:00	L. Tuckerman LIMISI CNRS, France	Turbulent-Laminar Patterns in Plane Couette Flow
12:00-13:00	T. Mullin University of Manchester, UK	Transition to Turbulence in a Pipe
13:00-14:30	Lunch	
14:30-15:30	A. Gelfgat Tel-Aviv University, Israel	Numerical Modeling of Instabilities of Confined Flows: From Highest-Order to Lowest-Order Numerical Methods
15:30-...	Open discussions	
20:00	Dinner	

Thursday, October 12, 2006

9:30-10:30	A. Tumin University of Arizona, USA	Biorthogonal Eigenfunction System as a Tool for Analysis of Perturbations in Boundary Layers
10:30-11:00	Coffee Break	
10:30-11:00	S. Tavener Penn State University, USA	Instabilities in Two-Dimensional Flow Past a Cylinder
12:00-13:00	H. Kuhlmann Technical University of Vienna, Austria	Vortex Instabilities
13:00-14:30	Lunch	
14:30-...	Open discussions	