SNuBIC!
DFG FOR-5409

Retreat 25./26. September 2023, in Düsseldorf

Schloss Mickeln, see also the Google map

Program Overview

Sunday, 24.9., from 15:00	arrival
Sunday, 24.9., 18:30	dinner in Schloss Mickeln
Monday, 25.9., 9:00-17:30	workshop program in 'Blauer Salon' lunch provided
Monday, 25.9., 18:30	dinner in Schloss Mickeln
Tuesday, 26.9., 9:00-17:30	workshop program in 'Blauer Salon' lunch provided
Tuesday, 26.9., 18:00	workshop closes (no dinner option in Schloss Mickeln)

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Detailed Program

	Monday, 25 September		
	9:00 – 9:15	Manuel Torrilhon	*opening*
1 2	9:15 – 10:15	Thanos Tzavaras	*From Euler flows with friction to gradient flows and applications*
	10:15 – 10:45	break	
3	10:45 – 11:15	Aleksandr Mustonen	*Asymptotic-Preserving Methods for Consistent Maxwell/Ohm Coupling (part 1)*
4	11:15 – 11:45	Magnus Deisenhofer	*Asymptotic-Preserving Methods for Consistent Maxwell/Ohm Coupling (part2)*
5	11:45 – 12:15	Satyvir Singh	*Solutions of various kinetic moment models in continuum-Rarefied flow regimes*
	12:15 – 14:00	lunch	
6 7	14:00 – 15:00	Steffi Braun	*Electromagnetic theory for thermodynamic systems*
	15:00 – 16:00	long break	
8	16:00 – 16:30	Daniel Döhring	*Perspectives on AMR-based ODE Partitioning*
9 10	16:30 – 17:30	Simon Candelaresi	*On the coupling of multiphysics systems*

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	Tuesday, 26 September		
11 12	9:00 – 10:00	Francesco Fambri	*A structure preserving hybrid Finite Volume Finite Element method for viscous and resistive MHD*
	10:00 – 10:30	break	
13	10:30 – 11:00	Eda Yilmaz	*Comparison of Reconstruction Techniques for Moment Closure*
14	11:00 – 11:30	Bella Duong	*Numerical Solution of the Smoluchowski Equation using a Spectral Method*
15	11:30 – 12:00	Daniel Bach	*Divergence preserving Semidiscretizations of Maxwell's Equations under Coupling*
	12:00 – 14:00	lunch	
16 17	14:00 – 15:00	Michael Redle	*A New Locally Divergence-Free Scheme for Ideal MHD*
	15:00 – 16:00	long break	
18	16:00 – 16:30	Yannick Kiechle	*A positivity-preserving Active Flux method for the (1+1)-d Vlasov-Poisson system*
19	16:30 – 17:00	Gudrun Grünwald	*Combined Active Flux/Splitting Methods for the Six-Dimensional Vlasov Equation*
20	17:00 – 17:30	everybody	*final discussion and outlook*