

DYNAMIK UND STATISTISCHE PHYSIK (DY)

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 ÜBERSICHT DER HAUPTVORTRÄGE UND FACHSITZUNGEN
 (Hörsäle TU H3010 und TU H2032)

Hauptvorträge

DY 10.1	Fr	10:00	(TU H3010)	On the connections between chaos theory and statistical mechanics, <u>Henk van Beijeren</u>
DY 13.1	Fr	14:00	(TU H2032)	Directed chaos in a mixed phase space, <u>Holger Schanz</u>
DY 24.1	Sa	14:00	(TU H2032)	Lambert diffusion in porous media in the Knudsen regime, <u>Stefanie Russ,</u> Armin Bunde, Jörg Kärger
DY 30.1	Mo	10:00	(TU H3010)	Evolution in complex systems: record dynamics in models of spin glasses, superconductors and evolutionary ecology., <u>Henrik Jeldtoft Jensen</u>
DY 32.1	Mo	14:00	(TU H3010)	Disentangling trends and fluctuations in data sets of complex systems, <u>Rudolf Friedrich</u>
DY 35.1	Mo	10:00	(TU A060)	Domain walls in Ising spin glasses, <u>Timo Aspelmeier</u>
DY 36.1	Mo	14:00	(TU A060)	Neue Anwendungsmöglichkeiten nanopartikelhaltiger Gläser, <u>Klaus-Jürgen Berg</u>
DY 40.1	Di	10:00	(TU H3010)	Exploring Complex Dynamics with Transition Path Sampling, <u>Christoph Dellago</u>
DY 42.1	Di	14:00	(TU H3010)	Thermodynamics - Past, Present and Future, <u>Werner Ebeling</u>
DY 50.1	Mi	09:45	(TU H3010)	Integrable $sl(2/1)$ super spin chain and the spin quantum Hall effect, <u>Holger Frahm,</u> Fabian H. L. Essler, Hubert Saleur

Hautvorträge im Symposium Renormalization and Scaling (SYRS)

gemeinsam veranstaltet von DY, DF, CPP und TT

SYRS 1.1	Sa	08:30	(TU H3010)	Anisotropic Scale Invariance in Systems with Boundaries: Bulk and Surface Critical Behavior at Lifshitz Points, <u>Hans Werner Diehl</u>
SYRS 1.2	Sa	09:00	(TU H3010)	Stacked triangular antiferromagnets: critical and multicritical behavior, <u>Andrea Pelissetto,</u> Ettore Vicari
SYRS 1.3	Sa	09:30	(TU H3010)	Transport properties of percolation clusters, <u>Olaf Stenull</u>
SYRS 2.1	Sa	10:30	(TU H3010)	Reaction-diffusion processes: the non perturbative renormalization group approach, <u>Bertrand Delamotte,</u> Leonie Canet
SYRS 2.2	Sa	11:00	(TU H3010)	Functional renormalization group methods for interacting Fermi systems, <u>Walter Metzner</u>
SYRS 2.3	Sa	11:30	(TU H3010)	Functional Renormalization for Disordered Systems: The Way out of Dimensional Reduction, <u>Kay J. Wiese</u>
SYRS 2.4	Sa	12:00	(TU H3010)	Universality classes in coarsening, <u>Benjamin Vollmayr-Lee</u>

Hautvorträge im Einstein Symposium Brownian Motion, Diffusion and Beyond (SYBM)

gemeinsam veranstaltet von DY und AKB

SYBM 1.1	Di	10:30	(TU HE101)	Forms and scaling in diffusion-limited growth: lightning, crystals, rivers, and tumors, <u>Leonard M. Sander</u>
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SYBM 1.2	Di	11:00	(TU HE101)	From Maxwell demon to Brownian motor , Christian Van den Broeck
SYBM 1.3	Di	11:30	(TU HE101)	How Biology breaks down Einstein's relation , Jaques Prost
SYBM 1.4	Di	12:00	(TU HE101)	Colloidal Suspensions as Brownian Computers , Clemens Bechinger
SYBM 1.5	Di	12:30	(TU HE101)	Photon random walks and beyond , Georg Maret

Hautvorträge im Symposium Solitons and Nonlinear Waves in Periodic Complex Structures (SYSN)

gemeinsam veranstaltet von Q und DY

SYSN 1.1	Fr	14:00	(HU Audimax)	Optical Fiber Solitons: Perturbations and Interactions , Fedor Mitschke
SYSN 1.2	Fr	14:30	(HU Audimax)	Solitons and nonlinear waves in photonic lattices , Mordechai Segev
SYSN 1.3	Fr	15:00	(HU Audimax)	Dissipative Optical Solitons , Ulf Peschel
SYSN 1.4	Fr	15:30	(HU Audimax)	Nonlinear lattice breathers and solitons: concepts and applications , Sergej Flach
SYSN 2.1	Fr	16:30	(HU Audimax)	Bose-Einstein Condensates in fast rotation , Jean Dalibard
SYSN 2.2	Fr	17:00	(HU Audimax)	Matter Wave Soliton Train from a Bose-Einstein Condensate , Randall G. Hulet
SYSN 2.3	Fr	17:30	(HU Audimax)	Towards controlling matter wave lattice solitons , Anna Sanpera
SYSN 2.4	Fr	18:00	(HU Audimax)	Non-spreading wave packets of interacting matter waves: Gap-Solitons and nonlinear self trapping , Markus Oberthaler

Hautvorträge im Symposium Biological and Social Networks (SYBN)

gemeinsam veranstaltet von AKSOE, AKB, CPP und DY

SYBN 1.1	Mo	09:45	(TU HE101)	Computation, evolution and tinkering in complex networks , Ricard Sole
SYBN 1.2	Mo	10:15	(TU HE101)	Properties of attractors and relevant nodes in random Boolean networks , Barbara Drossel
SYBN 1.3	Mo	10:45	(TU HE101)	Epidemic modeling: dealing with complex networks , Alessandro Vespignani
SYBN 1.4	Mo	11:15	(TU HE101)	Traffic and Computation in Genetic Regulation , Kim Sneppen

Hautvorträge im Symposium Mesoscopic Physics of Ultracold Atoms (SYUA)

gemeinsam veranstaltet von A, Q, HL, TT und DY

SYUA 1.1	Mi	11:00	(HU Audimax)	Atom Chips: Mesoscopic Physics with Cold Atoms , Jörg Schmiedmayer
SYUA 1.2	Mi	11:30	(HU Audimax)	Atomic Matter Waves in Magnetic Micro Potentials , Claus Zimmermann
SYUA 1.3	Mi	12:00	(HU Audimax)	Nonlinear resonant transport of Bose-Einstein condensates , Peter Schlagheck
SYUA 1.4	Mi	12:30	(HU Audimax)	Atomic Quantum Dots in a Bose-Einstein-Condensate , Wilhelm Zwerger
SYUA 2.1	Mi	14:00	(HU Audimax)	BEC of 6Li_2 molecules: Exploring the BEC-BCS crossover , Johannes Hecker-Denschlag
SYUA 2.2	Mi	14:30	(HU Audimax)	Nonlinear matter waves in periodic potentials: From Adiabaticity to Zener , Oliver Morsch
SYUA 2.3	Mi	15:00	(HU Audimax)	Ultracold atomic gases in optical lattices: A bridge between Quantum Optics and Condensed Matter Physics , Luis Santos
SYUA 2.4	Mi	15:30	(HU Audimax)	Superfluid-insulator transition in a moving system of interacting bosons , Eugene Demler

Fachsitzungen

DY 10	Fluid Dynamics I	Fr 10:00–13:00	TU H3010	DY 10.1–10.11
DY 11	Nonlinear Dynamics	Fr 10:30–12:30	TU H2032	DY 11.1–11.8
DY 12	Fluid Dynamics II	Fr 14:30–15:15	TU H3010	DY 12.1–12.3
DY 13	Quantum Chaos	Fr 14:00–18:30	TU H2032	DY 13.1–13.17
DY 14	Complex Fluids	Fr 15:30–18:30	TU H3010	DY 14.1–14.12
DY 20	Symposium Renormalization and Scaling (SYRS)	Sa 08:30–12:30	TU H3010	DY 20.1–20.1
DY 21	Statistical Physics in Biological Systems	Sa 08:30–11:15	TU H2032	DY 21.1–21.11
DY 22	Networks	Sa 11:30–13:00	TU H2032	DY 22.1–22.6
DY 23	Symposium Renormalization and Scaling (SYRS) – Contributed Talks I	Sa 14:00–15:30	TU H3010	DY 23.1–23.6

DY 24	Granular Matter	Sa	14:00–16:45	TU H2032	DY 24.1–24.10
DY 25	Symposium Renormalization and Scaling (SYRS) – Contributed Talks II	Sa	16:00–17:00	TU H3010	DY 25.1–25.4
DY 30	Spiral Formation and Feedback	Mo	10:00–12:45	TU H3010	DY 30.1–30.10
DY 31	Nonlinear Stochastic Systems I	Mo	10:30–12:45	TU H2032	DY 31.1–31.9
DY 32	Nonlinear Stochastic Systems II	Mo	14:00–15:00	TU H3010	DY 32.1–32.3
DY 33	Ferrofluids and Liquid Crystals	Mo	14:00–16:15	TU H2032	DY 33.1–33.9
DY 34	Poster	Mo	15:30–18:00	Poster TU D	DY 34.1–34.122
DY 35	Glasses I (joint session DF/DY)	Mo	10:00–13:00	TU A060	DY 35.1–35.11
DY 36	Glasses II (joint session DF/DY)	Mo	14:00–17:45	TU A060	DY 36.1–36.12
DY 40	Statistical Physics (General) I	Di	10:00–13:00	TU H3010	DY 40.1–40.11
DY 41	Einstein Symposium Brownian Motion, Diffusion and Beyond (SYBM)	Di	10:00–13:00	TU HE101	DY 41.1–41.1
DY 42	Statistical Physics (General) II	Di	14:00–15:45	TU H3010	DY 42.1–42.6
DY 43	Einstein Symposium Brownian Motion, Diffusion and Beyond (SYBM) – Contributed Talks I	Di	14:30–18:00	TU H2032	DY 43.1–43.14
DY 44	Growth and Fracture	Di	15:45–18:00	TU H3010	DY 44.1–44.9
DY 50	Critical Phenomena and Phase Transitions	Mi	09:45–12:30	TU H3010	DY 50.1–50.10
DY 51	Einstein Symposium Brownian Motion, Diffusion and Beyond (SYBM) – Contributed Talks II	Mi	10:15–13:15	TU H2032	DY 51.1–51.12
DY 52	Statistical Physics far from Thermal Equilibrium	Mi	12:30–14:00	TU H3010	DY 52.1–52.6

Poster

Die Posterfläche TU D steht am Montag ganztägig zur Verfügung.

Zordnung der Poster zu den Themenkreisen

DY 34.1-34.16 Statistische Physik (Allgemein)

DY 34.17-34.19 Gläser

DY 34.20-34.21 Neuronale Netze

DY 34.22-34.22 Brownsche Bewegung

DY 34.23-34.27 Nichtlineare Stochastische Systeme

DY 34.28-34.47 Nichtlineare Dynamik, Synchronisation und Chaos

DY 34.48-34.49 Quantenchaos

DY 34.50-34.51 Statistische Physik fernab vom thermischen Gleichgewicht

DY 34.52-34.62 weiche Materie

DY 34.63-34.64 Statistische Physik in biologischen Systemen

DY 34.65-34.78 Fluidodynamik

DY 34.79-34.88 Wachstumsprozesse und Grenzflächeneigenschaften

DY 34.89-34.99 Granulare Materie / Kontaktdynamik

DY 34.100-34.103 Ferrofluide / Flüssigkristalle

DY 34.104-34.112 Kritische Phänomene und Phasenumwandlungen

DY 34.113-34.113 Gitterdynamik und nichtlineare Anregungen

DY 34.114-34.118 Poster des Symposiums Renormalization and Scaling (SYRS)

DY 34.119-34.120 Poster des Einstein Symposiums Brownian Motion, Diffusion and Beyond (SYBM)

Mitgliederversammlung des Fachverbands Dynamik und Statistische Physik

Di 18:00–18:45 TU H3010

1. Bericht des Sprechers

2. Tagungen

3. Verschiedenes

gez. Franz Schwabl