

Institute for Analysis and Scientific Computing, and
Doctoral Program "Dissipation and Dispersion in Nonlinear PDEs"

Course Announcement:

Entropies - information theory flavored approach to PDEs

by

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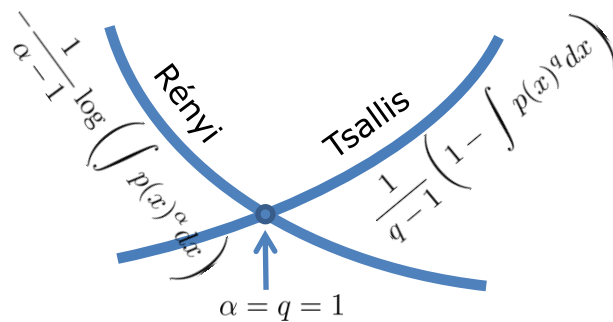
Terms:

- 19. 11.: 14:00 - 15:00
- 23. 11.: 13:00 - 14:00
- 26. 11.: 14:00 - 15:00

Place: SEM 101B

Contents:

- axiomatic foundation of entropies in information theory (Rényi and Tsallis entropies)
- entropy power, concavity, and related functional inequalities
- long-time behavior of nonlinear diffusion equations
- markov decision processes
- perception - action cycles and information-to-go



Boltzmann-Shannon

$$- \int p(x) \log p(x) dx$$

