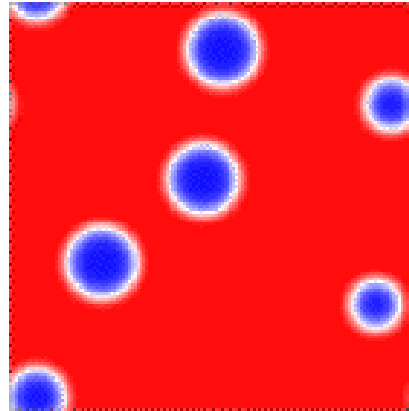
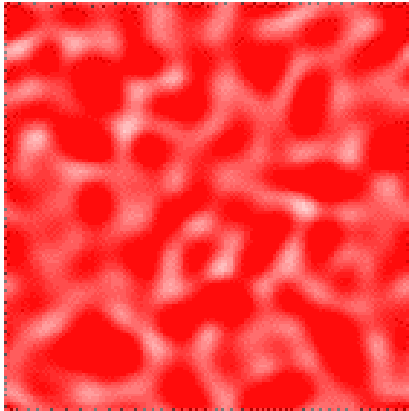


## Advanced Statistical Physics



### Topics:

- Macroscopic and microscopic degrees of freedom:  
Entropy, random walks and driven diffusive systems
- Phase transitions and critical phenomena:  
Mean field theory, renormalization and kinetics
- Scale invariance at large:  
Power laws and fractal growth processes

### Time and venue:

- Mondays 10.00-11.30 in HS II
- Wednesdays 10.00-11.30 in the SR of the II. Phys. Institute
- Problem class: Tuesdays 16.00-17.30 in the SR of the I. Phys. Institute

**First lecture: Monday, October 15, at 10.00 am**

**On request the course can be given in German**