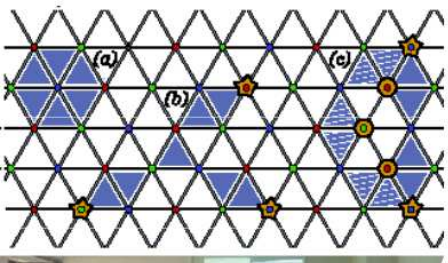
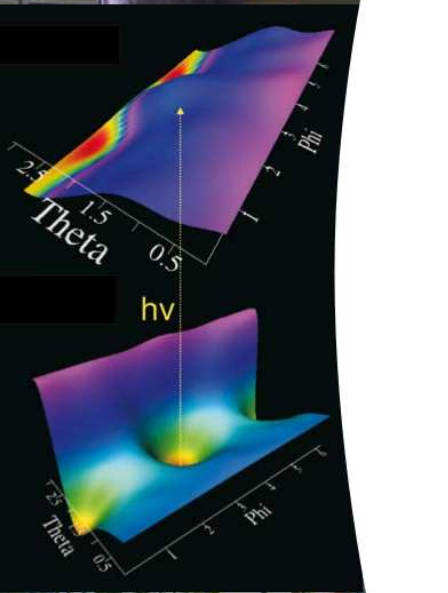
CARL VON OSSIETZKY universität OLDENBURG

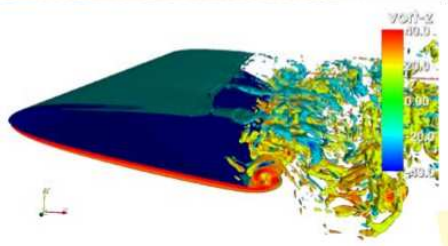
Summer School

August 9 – 20, 2010, University of Oldenburg, Germany

MODERN COMPUTATIONAL SCIENCE







Fundamentals:
algorithms, software engineering, differential equations, data analysis, Monte Carlo simulations

Computational Fluid Dynamics:
wind energy, Navier-Stokes equations, turbulence

Quantum Chemistry:
ab initio and density functional theory, surface photochemistry

Bioinformatics:
phylogenetic trees, sequence alignments, maximum likelihood

Ecological Communities:
plankton, chaos, stochastic dynamics, neutral theory

for advanced (including PhD) students
in Biology, Chemistry, Computer Science, Mathematics, and Physics

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Fee (incl. accommodation, breakfast, dinner, and workshop material):
100 € (supported students)

Organisation
Prof. Dr. A. K. Hartmann
Dr. Reinhard Leidl
University of Oldenburg