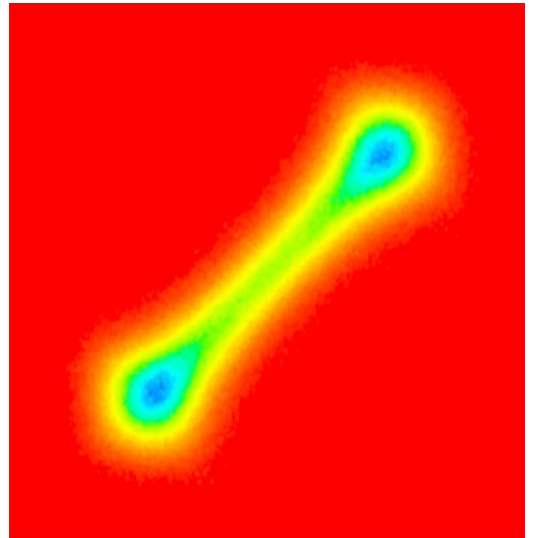
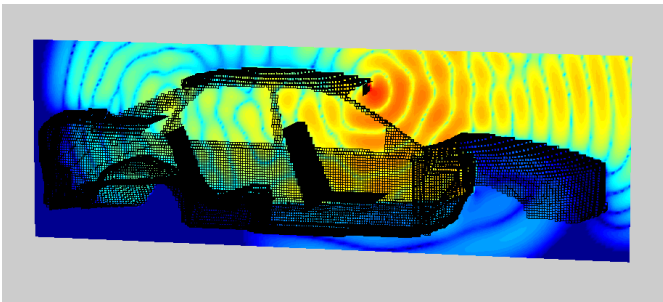

FKA121/FIM540 Computational Physics

Master, PhD – 7.5 points– period II

Aim: to refine computational skills by providing direct experience in using a computer to solve problems in physics

First lecture:
Monday November 5, 2018
at 15.15 in MB



If you want to

- implement and make use of the powerful Metropolis Monte Carlo method
- use the variational Monte Carlo method
- get introduced to the basic idea behind molecular dynamics and Brownian dynamics simulations
- solve quantum-mechanical time-dependent problems with curve-crossing
- get introduced to the Diffusion Monte Carlo technique
- refine your skill in using C

you should take the Computational Physics course

Useful background: basic physics,
some numerical analysis and computing

For more information see: <http://fy.chalmers.se/~tfsgw/CompPhys/>

Welcome!

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