









works of art. Wikipedia Median pay (annual): 18,750 USD (2012) Median pay (hourly): 9.02 USD (2012) Entry level education: Less than high school Projected 10-year growth: 15% (2012) Number of jobs: 4,800 (2012) Similar professions: Child Actor, Fashion Designers

Modelling (Wikipedia)

Modelling: A scientific activity, the aim of which is to make a particular part or feature of the world easier to understand, define, quantify, visualize, or simulate by referencing it to existing and usually commonly accepted knowledge





Our model
$$\left(i\gamma^{\mu}\left(\partial_{\mu}+ieA_{\mu}\right)-m\right)\psi=0$$





Contents

 Modelling and simulation: a physicists point of view

Part 1

- I. M&S of electronic structure
- II. M&S of magnetization
- III. M&S of spin and charge transport
- IV. M&S of MRAM elements

Part 2

Case study: heterostructures with magnetic insulators







































































































































