



# Application of simulation experiments for physics teaching in secondary schools

De-an LI

School of Physics and Telecommunication Engineering, South China Normal University,  
Guangzhou 510006, P.R. CHINA

Email: [lidean@scnu.edu.cn](mailto:lidean@scnu.edu.cn)

Received 14 May, 2009

Revised 26 Jun., 2009

---

## Abstract

The physics simulation experiment software for secondary schools provides teachers and students with an integrated laboratory of adequate equipment and creates a communication platform between teachers and students. Physics simulation experiment overcomes the drawbacks of traditional physics teaching and promotes reforming the methods of physics classroom teaching under the new curriculum ideas. Seven simulation experiments were specifically designed in this trial software for the said purpose. It is hoped that school teachers will know more about this software tool through these examples and so they can make better use of it to serve for teaching.

**Keywords:** Physics laboratory, simulation experiments, CAI, secondary physics experiments

---