An E-learning system optimised for mathematical and geometrical content: NS-eCMS
(ContentManagement and Collaboration System for E-learning of Natural Sciences)

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Our department, Department of Representation and Information Technologies of Szent István University Ybl Miklós School, is a member of a EU project granted by Socrates-Minerva. The goal is to write a complete E-learning application and to test it.

The system will be different from usual E-learning systems, because it uses Web-based materials to minimise requirements for installation of client tools. In addition, it supports teaching natural sciences, especially working with mathematical formulae, 2D geometrical drawings and 3D models. Therefore (among others), it is integrated with a Computer Algebra Server, it supports MathML format and it can show 2D vector graphics and interactive 3D CAD models.

The project started in October, 2003 and it ends in October, 2005. The Participant nations: Norway, Greece, Cyprus and Hungary. In this talk I would like to show our work, the results obtained so far, and our plans for the future.