

name, affiliation and background
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Dr. Waltraud Schweikhardt is lecturer and research scientist at the University of Stuttgart, Institut for Visualisation and Interactive Systems. She received her PhD in Computer Science in 1981 at the University of Stuttgart at the department Dialog Systems. In 1973 she received her Diploma in mathematics (minor physics). She led different projects in the field of computer based supporting of disabled persons. She developed special devices as well as software solutions. She is author and co-author of numerous scientific publications.

Tutorial (German spoken) 11.07.2006 p.m. duration 1 hour
Tutorial Title:

LAMBDA an Interactive Editor for Mathematics

We present the main issues of LAMBDA. We explain significant features of the editor and demonstrate their impact on the handling of formulas and expressions. The main topics of this tutorial are:

- First contact for young pupils, handling problems and didactic questions
- Experienced young students (treatment of fractions, exponentiation, treatment of roots age 11 - 14)
- Advanced young students (discussion of functions age 15 - 18)
- University students (matrices and determinants)
- Discussion and comments

The participants of the tutorial should be able to understand how the editor works and know about basic functions.

We invite visual impaired and sighted people who are interested in mathematics

Maximum number of participants (unlimited)