



ICEVI Conference Budapest

IT innovations in teaching mathematics to students with visual impairment

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Foundation
2019.



Teaching mathematics to students with visual impairment

- Difficulties of written communication
- former methods
- Frequent failure

Learning maths on the computer

- Descriptive markup mathematical languages: LaTeX és MATHML
- Advantage: easy to learn
- Disadvantage: reading these languages used to be inaccessible
- Used: at universities and in science

Editing accessible documents for maths content Infoalap online training materials

- For blind students, their teachers and for those working on making study materials accessible.
- Unified communication, e.g. homework, tests, handbooks
- LaTeX and MathML description of mathematical concepts taught during grades 5-12
- Algebra, logarithm, trigonometry, equations, integrals,...

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