

Teaching and Learning with Mumie

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Abstract

In the context of the course on numerical methods for differential equations at the TU-Delft by Kees Vuik we explain the teaching and learning platform Mumie. We focus on learning by doing via the visualization of mathematical concepts by combining algebraic formulas and their geometric interpretation as well as individualized problems that are automatically corrected. Students access the course by single-sign-on with their TU Delft NetID.

We also give a glimpse on a standard course for first-year STEM students at the RWTH Aachen University used as a self-learning course and blended-learning course. Students access the course through the local Moodle LMS.

