Einladung zum
Würzburger Mathematischen Kolloquium
Julius-Maximilians-Universität Würzburg • Fakultät für Mathematik und Informatik

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Problem solving as a paradigm in first year university mathematics

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Raum SE 40, Mathematik Ost, Emil-Fischer-Str. 40, Campus Hubland-Nord

Inhaltsangabe
All students of mathematics should make the experience: I can discover mathematics myself. This is the guiding principle of the course Mathematisches Problemlösen und Beweisen (Mathematical Problem Solving and Proving) which was introduced into the mathematics syllabi at the Universität Oldenburg in 2011. My goal in this talk is to show that such a course can be a valuable addition to the university mathematics curriculum, and that it helps to smoothen out the break between high school and university mathematics.

After a short discussion of the considerations leading to the creation of this course I will talk about contents and structure of the course and about practical experiences with it. In particular I will show why the course is especially suited for the education of future mathematics teachers.