Einladung zum

Mathematischen Kolloquium

Am Dienstag, 06. Dezember 2011

spricht

Dr. David Reid
Universität Bremen
über

Mathematical proof: Implications of research for teaching

In this talk I will review some key ideas from research about the nature of proof, kinds of proofs, and the way of reasoning called proving. I will describe some roles proof plays in mathematics, including verifying, explaining discovering and belonging, and the importance of these roles in teaching. I will examine how different formats of proofs support different roles, and how formats of proofs used in schools have changed over time. Examples of mathematical reasoning in a school context will be used to discuss proving and ways in which it can be represented. This will provide the background for a discussion of the teaching of proof, in which some important aspects of teaching that support students’ proving will be described.

Der Vortrag findet statt um 16 Uhr c.t. im Raum 1090, 1. Ebene des Mehrzweckhochhauses (MZH) der Universität Bremen, Bibliothekstraße.
Zuvor gibt es Kaffee/Tee und Gebäck im Raum 7140.

Alle Interessierten sind herzlich eingeladen.
R.-E. Hoffmann als Kolloquiumsbeauftragter.