

DEDEKIND-LECTURES I

Über die Struktur der reellen Zahlen



Vortrag zum 157. Jahrestag der Begründung der reellen
Zahlen durch Richard Dedekind an der ETH Zürich

Vortrag von

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(Autor des Buches *Set Theory: On the Structure of the Real Line*)

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17¹⁵ – 17³⁰ Eröffnung der ersten Dedekind-Lectures

17³⁰ – 19⁰⁰ *Borel Conjectures and small sets of reals*

Abstract: I will discuss several results illustrating often unexpected connections between the existence of paradoxical sets of real numbers and the properties of the universe that they live in. Large cardinals, forcing extensions and other set-theoretic objects and constructions appear naturally when one examines properties of sets of reals that originate in topology and real analysis.

anschliessend kleiner Apéro

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