



Berlin  
Mathematical  
School

# BMS Friday Colloquium

Friday 28 January 2011 at 14:15

*Tea before the lecture begins at 13:00*

BMS Loft, Urania, An der Urania 17, 10787 Berlin

**Bernd Wegner**

*(TU Berlin and FIZ Karlsruhe)*

**J a h r b u c h**  
über die  
**Fortschritte der Mathematik**

im Verein mit anderen Mathematikern  
herausgegeben  
von  
Dr. Carl Ohrtmann und Dr. Felix Müller.

**Erster Band.**  
Jahrgang 1868.

Berlin.  
Druck und Verlag von Georg Reimer.  
1871.

## Zentralblatt MATH - the gateway to mathematics literature

About 150 years ago the growing number of publications in mathematics led to an initiative to capture comprehensive information on these publications in a documentation service. As a first service of this kind the "Jahrbuch über die Fortschritte der Mathematik" was founded in 1868. In order to speed up the information on mathematical publications, Springer founded Zentralblatt MATH under the initial name "Zentralblatt für Mathematik und ihre Grenzgebiete" in 1931.

At the end of the 1960s the annual number of new publications in mathematics was about 25,000, making it more and more complicated to collect the information for index volumes. The breakthrough of Zentralblatt MATH as a reference database came with its offer through the Internet and its links with the rapidly developing digital offers of mathematical publications.

The aim of the lecture is to give a survey on the development of information services on mathematical literature in the case of Zentralblatt MATH, to explain the general ideas behind this service, to underline its importance as an infrastructure for mathematical research and to show how it can be used to navigate in the currently more than 3 million items available.