## **BMS Friday Colloquium**

Friday, 22 January 2010, 2:00 pm

Tea before the lecture starts at 1 pm

BM\$ Loft, Urania An der Urania 17, 10787 Berlin

## Felix Mühlhölzer (Göttingen):

"Surprises in Mathematics"

Ludwig Wittgenstein developed many thoughts in order to distinguish between mathematics and empirical science. In the text published as Appendix II of Part I of his Remarks on the Foundations of Mathematics he offers the pointed diagnosis in § 2 that if you are surprised by the result of a mathematical demonstration, then you have not understood it yet. This is in notable contrast to Niels Bohr's statement about quan-

tum mechanics: if you are not surprised by it, then you have not understood it







