



# Berlin Mathematical School

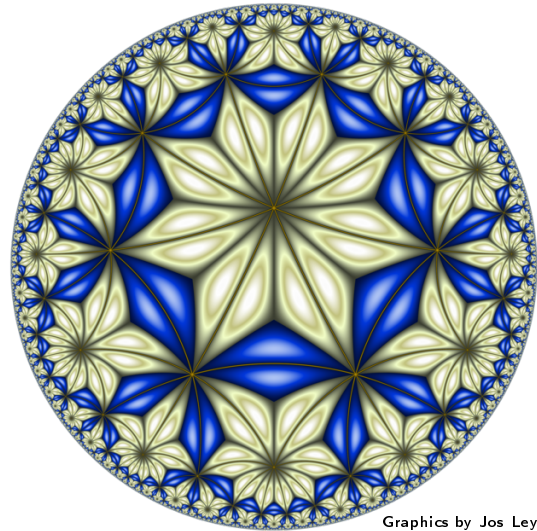
## BMS Fridays Colloquium

Friday, January 25, 2008, 2:00 pm

*Tea before the lecture starts at 1 pm*

BMS Loft, **Urania**

An der Urania 17, 10787 Berlin



Graphics by Jos Leys  
www.josleys.com

Ruth Kellerhals (Fribourg):

### “Hyperbolic isometry groups and small volume”

By Hurwitz's theorem, the automorphism group of a compact Riemann surface of genus  $g > 1$  is bounded from above by  $84(g - 1)$ . This result is closely related to Siegel's theorem bounding the measure of the fundamental region of Fuchsian groups universally from below.

Ruth Kellerhals, a distinguished geometer from Fribourg (Switzerland), shall discuss analogous questions in higher dimensions and present some recent progress in the study of discrete groups of hyperbolic isometries with small covolume.

Ruth Kellerhals' lecture is the third **Kovalevskaya lecture** at BMS. After the lecture, there will be a reception which in particular offers a unique opportunity to talk to an outstanding woman mathematician about career paths, opportunities and perspectives . . .

<http://www.math-berlin.de>