

## *MSRI/Evans Talk*

Monday, December 3, 2007

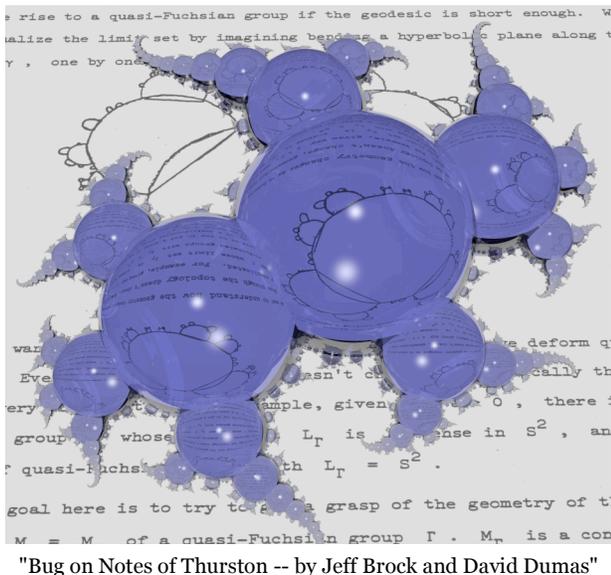
4:10pm

60 Evans Hall

University of California, Berkeley

### “Notes on Notes of Thurston: from Mickey-Mouse to Model Manifolds to Moduli Space”

Dr. Jeffrey Brock  
Brown University



The celebrated Princeton lecture notes of W. Thurston read like a "Where's Waldo" of mathematics -- you are bound to find your idea in there somewhere if you look long enough. Indeed, it is a challenge even to reference completely his contributions to the field. From *pleated surfaces*, to *train tracks*, to the *mickey mouse example*, his ideas and constructions continue to motivate modern research, emphasizing the fundamental interconnectedness of Kleinian groups, Teichmüller theory and geometric group theory. Focusing on a few specific instances, I will trace through Thurston's perspective and its pervasive influence.

"Let's just say Thurston has proven some nice theorems in hyperbolic geometry..."

Ken Bromberg, from his 2001 Ahlfors-Bers colloquium talk.

***Refreshments at a nearby establishment immediately following the talk!***

The purpose of these lectures is to introduce the present year's research programs at MSRI to the mathematical sciences community in Berkeley. The talks will be **expository and nontechnical**, providing some of the flavor of ongoing research at MSRI.

**Graduate students and Postdoctoral Fellows are particularly invited to attend these lectures.**

**Further information and links to the MSRI program and workshop web pages are available at:**

<http://www.msri.org>