



## Teichmüller Theory Seminar

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### Computing with relative train tracks

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#### **Abstract**

Relative train tracks, introduced by Bestvina-Handel, are convenient representatives of free group outer automorphisms. They serve as analogues for Thurston's train tracks on surfaces. I will describe some joint work with Michael Handel using relative train tracks to compute invariants of free group automorphisms.

**Monday, 25 April 2016, 4pm**

**Smith Hall 204**