



## Teichmüller Theory Seminar

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The number of surfaces of fixed genus in  
an alternating link complement

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### Abstract

Let  $L$  be a prime alternating link with  $n$  crossings. We show that for each fixed  $g$ , the number of genus  $g$  incompressible surfaces in the complement of  $L$  is bounded by a polynomial in  $n$ . Previous bounds were exponential in  $n$ . This is joint work with Joel Hass and Abigail Thompson.

Monday, 30 January 2017, 4pm

Smith Hall 204