

**Meeting:** 1003, Atlanta, Georgia, SS 16A, AMS Special Session on Inverse Spectral Geometry, I

1003-58-1049      **Christopher M Judge\***, Department of Mathematics, Rawles Hall, Indiana University,  
Bloomington, IN 47405. *Laminations and eigenvalues.*

A maximal lamination on a surface determines coordinates for Teichmueller space called cataclysm coordinates by Thurston. We extend this construction and discuss applications to eigenvalue problems. (Received October 03, 2004)