

B I - C O M A T H E M A T I C S  
C O L L O Q U I U M

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*“Cyclic Homology of the  
Coloring Complex of Simple,  
Connected Graphs”*

**Monday, September 18, 2006**

Talk at 4:15 – Park 328  
Tea at 3:45 – Park 355, Math Lounge

Abstract:

In 2000, Steingrímsson introduced the coloring complex of a graph, and then in 2005, Jonsson proved that the homology of the coloring complex of a simple graph is concentrated at top degree. In this talk, we will discuss a relationship between the dimensions of the cyclic homology groups of the coloring complex of a simple, connected graph,  $G$ , and the coefficient of the linear term of the chromatic polynomial of  $G$ .

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