## Chromatic cohomology theory for graphs

Sergei Chmutov Ohio State University Mansfield

April 18, 2006

## Abstract

Recently Laure Heleme-Guizon and Yongwu Rong from George Washington University introduced a cohomology theory for graphs where the graded Euler characteristic is the chromatic polynomial of the graph. As a consequence this theory gives a new description of coefficients of the chromatic polynomial.