

Sonja Čukić (Binghamton)

Hom-Complexes: An Overview

Abstract for the Combinatorics Seminar 2006 October 17, 24

Complexes of graph homomorphisms, *Hom-complexes* for short, are gadgets introduced by Lovasz to study topological obstructions to the existence of graph colorings. These complexes came as a natural generalization of neighborhood complexes, which were so spectacularly used by Lovasz in resolving the Kneser conjecture. In these talks I will give motivation for introducing complexes assigned to graphs. Then I will define Hom-complexes, and give an overview of their properties and the existing results on this topic.

From:

<http://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics,
Binghamton University**

Permanent link:

<http://www2.math.binghamton.edu/p/seminars/comb/abstract.200610cuk>



Last update: **2020/01/29 19:03**