

Emanuele Delucchi (Binghamton)

Discrete Morse Theory

Abstract for the Combinatorics Seminar 2008 March 18

I will explain the basics of discrete Morse theory for regular cell complexes, and as an example I will show it at work in the study of arrangements of complex hyperplanes. Given a complex arrangement (satisfying some additional hypotheses), discrete Morse theory allows one to explicitly construct CW-complexes that are homotopy equivalent to the complement of the arrangement and have the smallest possible number of cells in each dimension.

From:

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

Permanent link:

<https://www2.math.binghamton.edu/p/seminars/comb/abstract.200803del>

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

