

Perfect Discrete Morse Functions on 2-complexes

09 May 2017

Abstract

In this talk, first I will define basic concepts of discrete Morse theory. Then following the work of Ayala, Fernandez-Ternero and Vilches I will talk about existence of perfect discrete Morse functions, which are the most suitable functions for combinatorial purposes. Then as time permits, I will describe their proof on the existence of such functions on surfaces.