

A differential complex for CAT(0) cubical spaces

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Abstract: I will describe the construction of a differential complex associated to a CAT(0) cubing. In the case a group acts on the cubing the differential complex is not equivariant, but can be deformed to an equivariant complex. The construction generalizes earlier work of Julg and Valette for trees. I will include the necessary background on CAT(0) cubings, so that the talk will be self-contained.