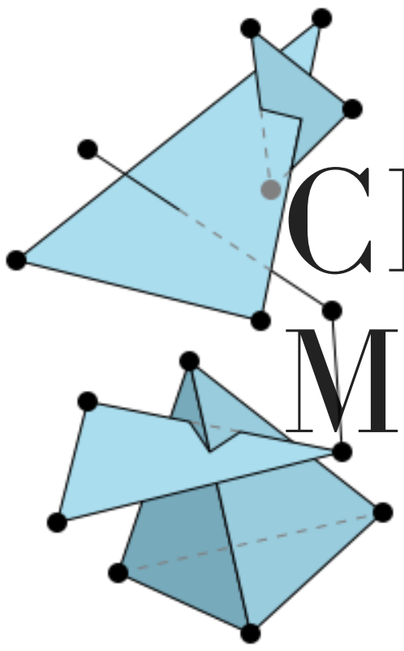
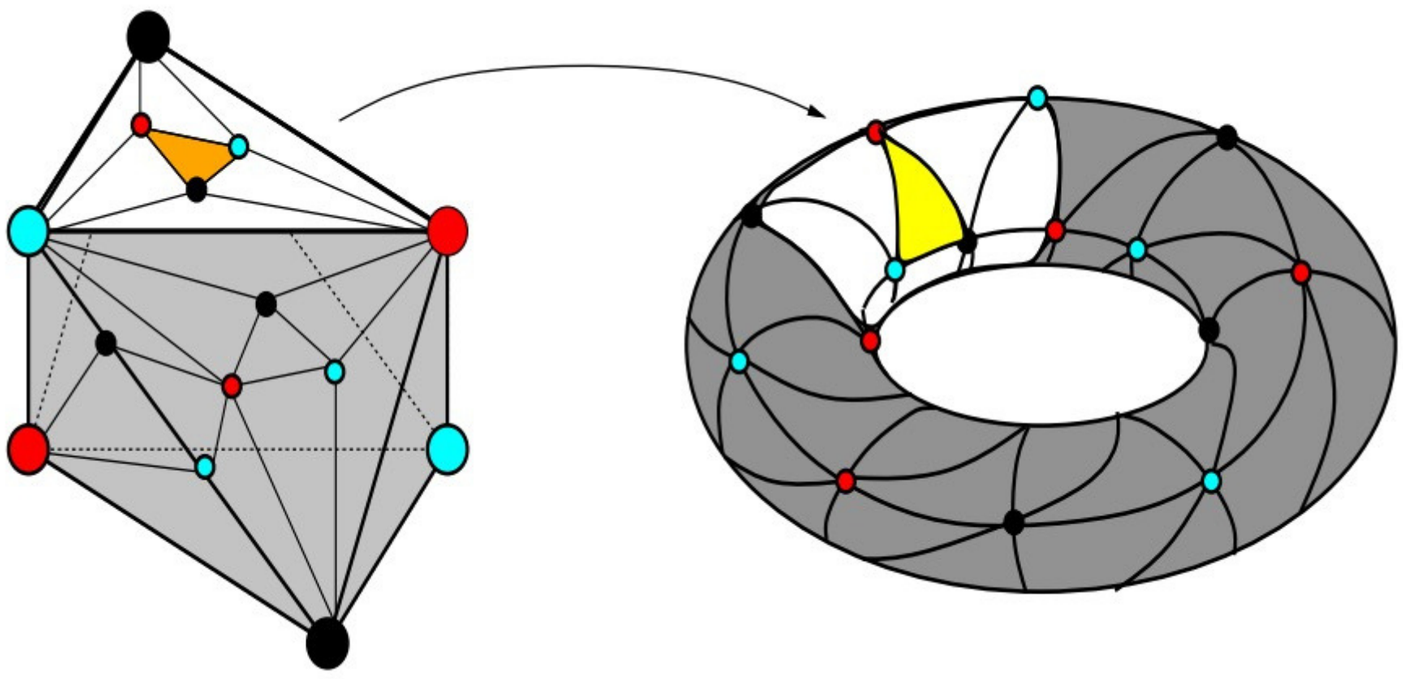


ALGEBRAIC CHARACTERIZATION OF MONOTONE SIMPLICIAL COMPLEXES

Ghazanfar Abbas (AS-SMS)



In this talk, I will introduce the monotone simplicial complexes using the concept of monotone paths, first introduced by Erdos and Szekers. I will discuss various construction of graphs for which the face ring and facet ideal of the respective monotone simplicial complex is Cohen-Macaulay and Sequentially Cohen-Macaulay respectively.

October 27, 2017 | 11 am

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