

Stanley-Reisner Rings - I.  
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In this series of talks we will discuss about simplicial complexes. The aim of this talk is to introduce simplicial complexes and Stanley-Reisner rings along with some examples. Other than that, we shall talk about Kruskal-Katona theorem. The talks will broadly follow the relevant parts of the fifth chapter of Cohen-Macaulay rings by Bruns and Herzog.

Pre-requisites :  
Familiarity with ring theory.