

1144-13-209

Mark E Walker* (mark.walker@unl.edu), 203 Avery Hall, University of Nebraska, Lincoln, NE 68588. *Total Betti numbers.*

I will describe some positive results concerning lower bounds on the total Betti numbers of chain complexes and topological spaces that satisfy certain conditions. These results complement the topic of Srikanth Iyengar's invited address at this same meeting, which concerns counter-examples to some related conjectures. Finally, I will speculate about the relationship between these results. (Received August 25, 2018)