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**Adam Boocher\*** (aboocher@sandiego.edu). *Pure Resolutions and Bounds on Betti Numbers*. Preliminary report.

The Buchsbaum-Eisenbud-Horrocks rank conjecture gives lower bounds for the betti numbers of a module in terms of its codimension. Recent work has suggested that even stronger bounds might hold. In this talk I'll discuss how looking at pure resolutions can offer insight into these problems. (Received March 02, 2021)