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H Lindo*, 64 Meacham St, Williamstown, MA 01267, and **N Pande**. *Trace Ideals and the Gorenstein Property*.

The trace ideal of an R -module M is the ideal generated by all the homomorphic images of M in R . Recent work with undergrads has successfully used trace ideals to characterize zero-dimensional Gorenstein rings. In this talk I will discuss how trace ideals can capture the homological properties of a commutative ring and several resulting open questions. (Received September 24, 2018)