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Madhav P Sharma* (msharma2@fau.edu). *Maximally Prüfer rings*. Preliminary report.

A commutative ring R is said to be a Prüfer ring if every finitely generated regular ideal is invertible, and is said to be a locally Prüfer ring if R_P is a Prüfer ring for every prime ideal P of R . Jason Boynton showed that the class of locally Prüfer rings is smaller than the class of Prüfer rings. We call the ring R maximally Prüfer if R_m is Prüfer for every maximal ideal m of R , and we show that the class of such rings lies properly between Prüfer rings and locally Prüfer rings. (Received August 26, 2012)