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Susan Loep* (sloep@williams.edu), 33 Stetson Ct., Williams College, Williamstown, MA 01267, and **Teresa Yu**. *Completions of Uncountable Local Rings with Countable Spectra*.

We present necessary and sufficient conditions for a complete local (Noetherian) ring to be the completion of an uncountable local domain with a countable spectrum. In addition, we present necessary and sufficient conditions for a complete local ring containing the rationals to be the completion of an uncountable excellent local domain with a countable spectrum. These results suggest that uncountable local domains with countable spectra and uncountable local excellent domains with countable spectra are more common than previously thought. (Received September 04, 2020)