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Christina Eubanks-Turner* (ceturner@louisiana.edu), University of Louisiana @ Lafayette, Department of Mathematics, P.O.Box 41010, Lafayette, LA 70504, and **Melissa Luckas** and **Serpil Saydam**. *Prime Ideals in Low-Dimensional Mixed Polynomial/Power Series Rings*. Preliminary report.

This talk will present research that examines prime spectra of low-dimensional mixed polynomial/power series rings over one-dimensional rings. In particular, we characterize the partially ordered set of prime ideals of $R[[x]][\frac{g}{f}]$, where $\{f, g\}$ is a $R[[x]]$ -sequence and R is either a one-dimensional countable PID or an order in an algebraic number field. (Received August 27, 2008)