

1083-13-126

**Ela Celikbas, Christina Eubanks-Turner and Sylvia M Wiegand\***

([swiegand@math.unl.edu](mailto:swiegand@math.unl.edu)), Math. Dept. UNL, 329 Avery Hall, Lincoln, NE 68588. *Prime ideals in quotients of mixed power series-polynomial rings*. Preliminary report.

We investigate the partially ordered set of prime ideals in rings of the form  $R[[x]][y]/Q$  and  $R[y][[x]]/Q$ , where  $R$  is a one-dimensional Noetherian domain,  $x$  and  $y$  are variables, and, in each “fraction”,  $Q$  is a height-one prime ideal of the numerator. (Received August 24, 2012)