

962-13-424

**Jean-Luc Chabert\*** (jlchaber@worldnet.fr). *Generalized Factorial Ideals.*

Using the notion of  $v$ -ordering in discrete valuation domains, Bhargava introduced factorial ideals associated to subsets of Dedekind domains, which generalize the classical factorials. We show how  $v$ -orderings may be extended to subsets of rank-one valuation domains, and also, how factorial ideals may be generalized with almost the same properties. By the way, we obtain results concerning the asymptotic behavior of the sequence of these factorial ideals. (Received September 14, 2000)