On the Krull dimension of composite power series rings

Min Jae Kwom and Jung Wook Lim

Department of Mathematics, Kyungpook National University, Daegu 41566, Republic of Korea

Email: know1122@naver.com

Department of Mathematics, Kyungpook National University, Daegu 41566, Republic of Korea

Email: jwlim@knu.ac.kr

Abstract. In this talk, we discuss some recent results on the Krull dimension of power series rings over one-dimensional nondiscrete valuation domains.

Keywords: One-dimensional nondiscrete valuation domain, Krull dimension, composite power series.