

# ON THE PROJECTIVITY OF CURVES OVER VALUATION DOMAINS

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S. Lichtenbaum has proved that a proper regular curve over a discrete valuation ring is projective. Later J. Emsalem has generalized this result to proper curves for which the singular locus satisfies certain requirements. For general valuation rings B. Green has shown that every proper normal curve with a geometrically integral generic fibre is projective; in particular this holds for proper normal curves over henselian valuation rings.

In the talk a generalization of Lichtenbaum's result to the non-noetherian case will be discussed, where regularity in this context means that the weak homological dimension of every local ring of the curve is finite.