

# **TORIC DEGENERATIONS IN INFINITE DIMENSIONAL SPACES**

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In valuation theory, and in particular in problems related to local uniformization, it is useful to degenerate a ring endowed with a valuation to the associated graded ring with respect to this valuation, which is not noetherian in general but may be a toric variety of infinite embedding dimension. I shall discuss some methods to deal, in as geometric a spirit as possible, with this situation, and also discuss some applications.