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Hensel's lemma for the norm principle for groups of type D_n

Let G be a linear algebraic group defined over a field K. The Norm Principle for G, examines how the base change of G to finite separable field extensions of K behaves with respect to the norm map of the field extensions. It remains an open question whether the norm principle holds for all linear algebraic groups. In this talk, we will discuss the norm principle for groups of type D_n, in particular over complete discretely valued fields. Understanding this case is an important step toward studying the norm principle over function fields of curves over global and local fields.