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Monge-Ampere measures and Calabi-Yau theorem on Berkovich spaces.

In this talk, I will review Chambert-Loir's construction of a measure on the Berkovich space from a metrized line bundle. Then we consider the non-archimedean analogue of the Calabi-Yau theorem. We prove the uniqueness part, which basically says the measure determines the metric up to constants. (Received September 14, 2010)