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Jonsson Mattias* (mattiasj@umich.edu), Department of Mathematics, University of Michigan, Ann Arbor, MI 48109-1043, and **Sébastien Boucksom** and **Charles Favre**. *Non-archimedean pluripotential theory*.

Pluripotential theory is the study of plurisubharmonic functions on complex manifolds, and has recently seen important applications to complex geometry. For various reasons it is natural to develop pluripotential theory also in a non-archimedean context. I will explain what this means and how to solve the Monge-Ampere equation in a particular setting. (Received July 03, 2010)