Aaron Levin*, 307 Olden Ln, Princeton, NJ 08540, and Julie Tzu-Yueh Wang and Ta Thi Hoai An. A p-adic Nevanlinna-Diophantine Correspondence. Preliminary report.

In analogy with the now well-known correspondence between Nevanlinna theory and Diophantine approximation (Vojta's dictionary), we discuss a correspondence between, on the one hand, p-adic Nevanlinna theory and p-adic analytic maps, and on the other hand, certain Diophantine statements over the rational numbers and integers. (Received September 07, 2009)