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**Valentino Tosatti\*** ([tosatti@math.columbia.edu](mailto:tosatti@math.columbia.edu)), Columbia University, Department of Mathematics, 2990 Broadway, New York, NY 10027, and **Ben Weinkove**. *Complex Monge-Ampere equations on compact manifolds*.

We will discuss the complex Monge-Ampere equation on compact hermitian manifolds. We will explain to which extent the classical theory of Calabi-Yau for Kahler manifolds extends to this case, and give some applications. (Received March 05, 2010)