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Duong H Phong* (phong@math.columbia.edu), Department of Mathematics, Columbia University, New York, NY 10027. *On the singularities of the pluricomplex Green's function.*

In several complex variables, the classical Green's function becomes the solution of a complex Monge-Ampère equation with a Dirac measure on the right hand side. We discuss the construction of such Green's functions by methods combining geometric blow-ups with new a priori estimates for the complex Monge-Ampère equation. (Received February 06, 2013)