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Steve Zelditch* (zelditch@math.northwestern.edu), Evanston, IL 60208, and **Yanir Rubinstein**. *The Cauchy problem for the homogeneous complex Monge Ampere equation.*

The Cauchy problem for the HCMA (complex homogeneous Monge Ampere equation) is the initial value problem for geodesics in the space of Kahler metrics in a fixed class. I will define the lifespan of the solution in various regularity classes and explain that for many initial data there does not exist a solution with a positive lifespan. (Received September 04, 2012)