ON SOME FULLY NONLINEAR PDES ON COMPACT COMPLEX MANIFOLDS

Speaker: Dekai Zhang
Shanghai Center for Mathematical Sciences

Time：Thu, Oct. 29, 16:00-16:30

Venue: Room 2201, East Main Guanghua Tower

Abstract: We consider two classes of fully nonlinear equations on compact complex manifolds. In the first part, we introduce a new class of fully nonlinear equation on a compact Kahler manifold. We derive some a priori estimates in some special cases. In the second part, we derive the second order estimate of solutions of a parabolic Monge-Ampere type equation and we prove a convergence result.