

# Hölder continuity of solutions to complex Monge-Ampère equations on singular spaces.

*jeudi 12 décembre 2024 14:30 (30 minutes)*

In recent years, the use of PDEs and pluripotential theory have produced important results in both differential and algebraic complex geometry. In this talk, I will study, using pluripotential theory, the modulus of continuity of solutions to Dirichlet problems for complex Monge-Ampère equations with  $L^p$  densities on a domain inside a complex analytic space with isolated singularities. Moreover, obtaining that if the boundary data is Hölder, then so is the solution outside of the singular set.

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