

# Degenerate Monge-Ampère equations on compact Hermitian manifolds and applications

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We generalise results of Eyssidieux, Guedj and Zeriahi on the existence of weak solutions to degenerate Monge-Ampère equations to compact Hermitian manifolds which *a priori* are not in the Fujiki class. Then, we obtain partial results on a conjecture of Tosatti and Weinkove and on a weak form of a conjecture of Demailly and Paun.