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Applications of Complex Monge-Ampere Operators in Complex Analysis and Pseudo-Hermitian manifolds.

In this talk, I will talk several recent results on the complex analysis and pseudo-Hermitian manifolds related to complex Monge-Ampere. Especially, the characterizations for pseudoconvex domains to be the unit balls by using the Monge-Ampere operators and pseudo scalar curvatures. (Received March 07, 2008)