

1037-32-346

David E. Barrett* (barrett@umich.edu), University of Michigan Math Department, 530 Church Street, Ann Arbor, MI 48109-1043. *Projective duality, generalized Legendre transforms and Leray integrals.*

This talk will explain how the dual complement construction on two-dimensional smoothly bounded strongly \mathbb{C} -linearly convex domains gives rise to a complex-analytic analogue of the classic Legendre transform. This will link up to a discussion of duality properties of Leray integrals (joint work with Loredana Lanzani). (Received February 05, 2008)