

Meeting: 1000, Albuquerque, New Mexico, SS 8A, Special Session on Interactions in Riemannian Geometry

1000-53-178 **Gideon Maschler*** (maschler@math.toronto.edu), Department of Mathematics, University of Toronto, 100 St. George Street, Toronto, Ontario M5S 3G3, Canada. *Conformally-Einstein Kähler metrics on compact manifolds with boundary*. Preliminary report.

On closed manifolds, classification results for conformally-Einstein Kähler metrics have recently been obtained (joint with Derdzinski). We examine various properties of this metric condition on compact manifolds with boundary, particularly as a specific instance among the general class of asymptotically hyperbolic Einstein metrics. (Received August 23, 2004)