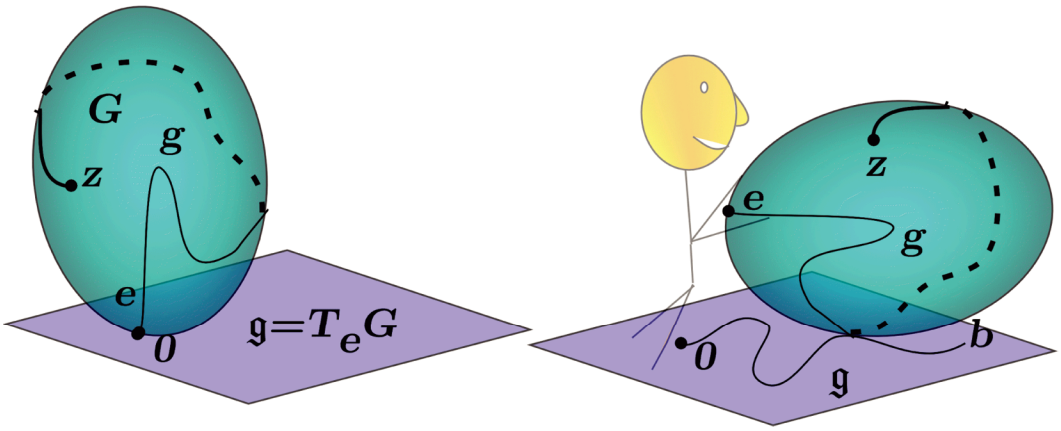
The Oliver Club

www.math.cornell.edu/~oliver/

Bruce Driver, UCSD and Cornell University

Spaces of Square Integrable Holomorphic Functions



The general theme of this talk will be to describe some old and new results which characterize spaces of square integrable holomorphic functions on a domain, G, in terms of their derivatives at some fixed point $o \in G$. We will begin with the case where the underlying domain is the complex plane and then move onto more complicated domains. One of the motivations for this work comes from Irving Segal and Valentine Bargmann's studies of holomorphic function spaces in order to mathematically formalize the kinematics of "quantum field theories." The majority of this talk should be accessible to anyone who has had an undergraduate course in complex variables. No knowledge of quantum field theory will be assumed or used.

Thursday, November 13, 2008
at 4:25 PM in 406 Malott Hall

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).