1042-52-129   **Joseph H.G. Fu*** (`fu@math.uga.edu`), Department of Mathematics, University of Georgia, Athens, GA 30602. *Towards the structure of the algebra of invariant valuations in complex space forms.* Preliminary report.

We present a strategy for working out the structure of the spaces of isometry-invariant valuations in complex projective and complex hyperbolic space, and show how it works out in low dimensions, and in the corresponding curvature zero case.

This is joint work with S. Alesker. (Received August 15, 2008)