

1021-53-45

Edward Goldstein* (egold@brandeis.edu), Waltham, MA. *Volume minimization and estimates for isotropic submanifolds.*

We'll begin by using integral geometry to exhibit global volume-minimizing properties for certain isotropic submanifolds in complex projective spaces. This will lead us to the problem of approximating holomorphic curves by isotropic surfaces - two area comparison results in this direction will be presented. (Received August 07, 2006)