

1106-VK-2081      **Raena B King\*** ([rking2@cbu.edu](mailto:rking2@cbu.edu)), Christian Brothers University, Department of Mathematics,  
650 E Parkway S, Memphis, TN 38104. *Generalized bi-circular projections and averages of  
isometries on Hardy spaces.*

Generalized bi-circular projections (GBPs) are the projections,  $P$ , such that for some  $\lambda \neq 1$  with  $|\lambda| = 1$ ,  $P + \lambda(I - P)$  is an isometry. We consider the generalized bi-circular projections on certain Hardy spaces. Since many GBPs are given by the average of an identity and a reflection, we also find when the average of two isometries gives a projection. (Received September 15, 2014)