



**Ruhan ZHAO** (zhaor@math.uc.edu) Department of Mathematical Sciences, University of Cincinnati, Cincinnati, OH 45221-0025, USA, *Pointwise multipliers from weighted Bergman spaces and Hardy spaces to weighted Bergman spaces.*

ABSTRACT. Pointwise multipliers from weighted Bergman spaces and Hardy spaces to weighted Bergman spaces are characterized by using Bloch type spaces, BMOA type spaces, weighted Bergman spaces and tent spaces.