



**Hans JARCHOW** (jarchow@math.unizh.ch), Mathematical Institute, University of Zurich, Winterthurerstr 190, CH 8057 Zurich, Switzerland, *Carleson embeddings for weighted Bergman spaces*.

ABSTRACT. Continuing earlier work of D.H. Luecking, we discuss (finite Borel) measures  $\mu$  on the open complex unit disk which have the property that, given  $\alpha > -1$  and  $0 < p, q < \infty$ ,  $A_\alpha^p$  is a subset of  $L^q(\mu)$ . The  $A_\alpha^p$  are the classically weighted Bergman spaces. We will recall Luecking's criteria on boundedness of the embedding  $A_\alpha^p \hookrightarrow L^q(\mu)$ , and then concentrate on compactness, order boundedness, and related summing properties of this embedding.

This is a joint project with Urs Kollbrunner.