1022-32-85 **Kenneth D. Koenig\***, Department of Mathematics, Ohio State University, 231 W. 18th Avenue, Columbus, OH 43210. Comparing the Bergman and Szegö projections.

As the orthogonal projections in  $L^2$  onto holomorphic functions and onto boundary values of holomorphic functions, respectively, the Bergman and Szegö projections are two of the most basic operators associated to a domain in  $\mathbb{C}^n$ . The exact connection between them, however, is not well understood in general. We discuss several results that aim to clarify their relationship. (Received September 09, 2006)