

Michael MARSALLI (marsalli@ilstu.edu), Department of Mathematics, Illinois State University, Normal, Illinois 61790-4520, USA, *On L^2 -precompactness of the ball of a function algebra.*

ABSTRACT. Let μ be a finite, positive, compactly supported, Borel measure on \mathbb{C} . Let A be a unital subalgebra of $L^\infty(\mu)$. We consider the problem of determining when the unit ball of A is precompact in $L^2(\mu)$, and we solve the problem for several classical function algebras.