

# Carleson measures for Arveson space via a T(1)- Theorem type

Edgar Tchoundja  
(Chalmers University of Technology, Göteborg)

## **Abstract**

Carleson measures on various spaces of holomorphic functions in the unit ball of  $\mathbb{C}^n$  have been studied extensively, since Carleson's original result for the disk. Recently, Arcozzi, Rochberg and Sawyer have obtained a characterization of Carleson measures for the Arveson space. In this talk, we first showed that this question is equivalent to a T(1)-Theorem type in the unit ball. Using an idea of J. Verdera , we present a T(1)-Theorem via singular integral techniques. We then obtain an alternative characterization of Carleson measures for the Arveson space.