Meeting: 1002, Pittsburgh, Pennsylvania, SS 10A, Special Session on Trends in Operator Theory and Banach Spaces

1002-30-137 **Alec L Matheson*** (matheson@math.lamar.edu), Department of Mathematics, PO Box 10047, Lamar University, Beaumont, TX 77710. *Carleson embeddings with closed range.*

A measure μ on the closed unit disk $\overline{\mathbb{D}}$ is a Carleson measure if the restrictions of functions f from the Hardy space H^p belong (boundedly) to the corresponding Lebesgue space $L^p(\mu)$. This notion is independent of $0 < p < \infty$. There is a well-known geometric condition on μ that is necessary and sufficient for μ to be a Carleson measure. We find necessary and sufficient geometric conditions on μ for the Carleson embedding to have closed range. (Received September 12, 2004)