1014-47-699 Nadia J Gal* (nadiagal@memphis.edu), The University of Memphis, Department of Mathematical Sciences, Memphis, TN 38152, and James Jamison (jjamison@memphis.edu), The University of Memphis, Department of Mathematical Sciences, Memphis, TN 38152. Isometric Equivalence of Operators on Function Spaces. Preliminary report.

We give necessary and sufficient conditions for isometric equivalence of differentiated composition operators between H and H. We also show that the only invertible isometry that commutes with the Cesaro operator on several spaces of analytic functions is a scalar multiple of the identity. (Received September 22, 2005)