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Valentin Matache* (vmatache@mail.unomaha.edu), Department of Mathematics, University of Nebraska, Omaha, Omaha, NE 68182. *On Norms of and Distances between Composition Operators*. Preliminary report.

Operators C_φ on function spaces acting by composition to the right with a fixed selfmap φ of some set are called composition operators of symbol φ . We consider the Hilbert Hardy space of all functions analytic in the open unit disk having square summable Maclaurin coefficients.

The norm of a composition operator acting on that space is known in few cases. Norm-distances between distinct composition operators are even less investigated. In this talk we will consider norm, respectively norm-distance, computations recently obtained by this author and others. Some open problems related to this topic will be presented. (Received December 12, 2005)