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Joseph A. Cima* (cima@email.unc.edu), Univ. of North Carolina at Chapel Hill, CB # 3250 Phillips Hall, Chapel Hill, NC 27599-3250, Chapel Hill, NC 27599-3250, and **Warren Wogen**. *On invertibility of analytic mappings*. Preliminary report.

We consider the following question. Suppose B is the open unit ball in a complex Hilbert space H . Assume f is analytic from B into H and is injective. Under what additional hypotheses is f a biholomorphism?

V.Aurich has shown that if the derivative of f is Fredholm at each point of B then f is a biholomorphism. We discuss aspects of this result and time permitting we will outline an elementary proof for the situation described above. (Received December 07, 2005)