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Vasiliy Prokhorov* (prokhor@southalabama.edu), Department of Mathematics and Statistics, University of South Alabama, ILB 325, 411 University Blvd North, Mobile, AL. *On some compact Hankel forms*. Preliminary report.

We consider bounded, symmetric, bilinear forms $[x, y]$ for Hardy and Bergman spaces associated to planar domains constructed for sets minimal capacity. Properties of the forms $[x, y]$, the Hankel operators with Markov functions as symbols, and the Friedrichs operators for the corresponding planar domains will be discussed. (Received December 03, 2012)