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Zeljko Cuckovic*, Department of Mathematics and Statistics, University of Toledo, 2801 W. Bancroft Street, Toledo, OH 43606, and **Sonmez Sahutoglu**. *Essential norm estimates for Hankel operators on convex domains in \mathbb{C}^2 .*

Let $\Omega \subset \mathbb{C}^2$ be a bounded convex domain with C^1 -smooth boundary and $\varphi \in C^1(\overline{\Omega})$ that is harmonic on non-trivial disks in the boundary. We estimate the essential norm of the Hankel operator H_φ in terms of the $\bar{\partial}$ derivatives of φ “along” the disks in the boundary. (This is a joint work with Sonmez Sahutoglu) (Received August 28, 2014)