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Zeljko Cuckovic (zcuckovi@math.utoledo.edu), Toledo, OH 43606, and **Sonmez Sahutoglu*** (sonmez.sahutoglu@utoledo.edu), Toledo, OH 43606. *Essential norm estimates for Hankel operators on convex domains in \mathbb{C}^2 .*

Let Ω be a bounded convex domain in \mathbb{C}^2 with C^1 -smooth boundary and $\varphi \in C^1(\overline{\Omega})$ such that φ is harmonic on the nontrivial analytic 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 nontrivial disks in the boundary. This is joint work with Zeljko Cuckovic. (Received December 22, 2014)