

1116-32-1610

David E. Barrett (barrett@umich.edu) and **Purvi Gupta*** (pgupta45@uwo.ca). *Super-level sets of the Bergman kernel on tube domains*. Preliminary report.

We will give estimates that relate the super-level sets of the diagonal Bergman kernel on a pseudoconvex tube domain with the so-called floating bodies of its convex base. For a given convex domain, the floating bodies are generally easier to construct and this comparison can prove useful for estimating the Bergman kernel. If time permits, we will demonstrate this with some examples. (Received September 20, 2015)