1056-28-1677   **Kevin R. Vixie*** (`vixie@speakeasy.net`). *Multiscale Flat Norm Shape Signatures.*

The discovery that the L1TV or TVL1 Functional computes the flat norm for co-dimension one boundaries permits us to compute novel shape signatures through the multiscale flat norm that this discovery introduced. In this talk I explore the applications of this discovery as well as aspects of the computation of the flat norm for boundaries using graph cut methods. (Received September 22, 2009)