

1116-35-1389 **Triet M Le*** (triet.m.le@nga.mil), Springfield, VA 22150. *Local Scales*.

In this talk, I will go over a notion of measuring local scales or oscillations of functions and rectifiable measures via convolution with a radially symmetric kernel of various scales (e.g. Gaussian or Poisson kernel.) Certain boundedness of these local scale measurements can be used to quantify the smoothness of the objective object. (Received September 19, 2015)