Meeting: 1006, Lubbock, Texas, SS 13A, Special Session on Statistical Image Processing and Analysis and Applications

1006-62-228 **Robert L Paige*** (`rpaige@math.ttu.edu`), Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409, **Frits Ruymgaart**, Department of Mathematics and Statistics, Texas Tech University, **Vic Patrangenaru**, Department of Mathematics and Statistics, Texas Tech University, and **Jeff Lee**, Department of Mathematics and Statistics, Texas Tech University. *Nonparametric Density Estimation on Homogeneous Spaces in High Level Image Analysis.*

We present techniques for density estimation on homogeneous spaces and numerical results for the Sope Creek data. (Received February 15, 2005)