

1068-60-343

**Xiaoping Shen\*** ([shenx@ohio.edu](mailto:shenx@ohio.edu)), 571 Morton Hall, Department of Mathematics, 1 Ohio University, Athens, OH 45701. *Sparse statistical data analysis based on the L1-norm - case study*. Preliminary report.

In this talk, we report our recent study on constructing a probability model for sparse data related to complex system. Numerical experiments based on simulated data and field data are presented. (Received January 21, 2011)