

1135-94-3079

**Qiyu Sun\*** ([qiyu.sun@ucf.edu](mailto:qiyu.sun@ucf.edu)), University of Central Florida, Orlando, FL 32816. *Phaseless sampling and reconstruction of signals with finite rate of innovation*. Preliminary report.

A signal is determined by its evaluation on its domain. In this talk, we consider the problem when and how a signal with finite rate of innovation can be reconstructed, up to a global phase, from its magnitudes on its domains or its sampling set. (Received September 26, 2017)