In both cases, it is clear that either reconstruction technique is extremely susceptible to measurement noise. This is to be expected, as both methods rely heavily on accurate measurements of the signal.

6.3 Error Sensitivity

Figure 13: Gradient Descent reconstruction of a random

Results on Testing Data

CONVEX OPTIMIZATION

A Convex Optimization Procedure for Missing Data Principle Components Analysis with applications to Econometrics (Theodore Naff)

The Adjoint State Method Applied to Seismic Migration

(Ryan Mustari, Derek Driggs, Jon Lavington)

APPMP 4720/5720 (special topics)
"Advanced Convex Optimization"
Prof. Becker, spring 2017

Student projects

Optimal Beamforming Given Positional Array Element Uncertainty

(Michael Fromandi, Ryan Montoya, Erez Shani)

Kernel regression in PDE approximation

(Nathaniel Mathews)

Largest Exchangeable Component: finite case

(Antony Pearson)

An Introduction to Differential Dynamic Programming for Optimal Control Problems

(Manuel Díaz Ramos David Iglesias Echavarría Christopher Rabotin)