EE16B, Spring 2018
UC Berkeley EECS

Maharbiz and Roychowdhury

Lecture 11B

Signals

Interpolation (Figures)
Interpolating Sound

Orig (analog)  ZOH  PWL  sinc()

sampling: 4410 Hz
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Piecewise-Linear Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
Zeroth-order Hold Interpolation
11th order polynomial through 12 points
Polynomial Interpolation

Credit: B. Christian and T. Griffiths,