Lecture 10

Audio Processing

Erdal Yılmaz



Cornell University

July 24, 2013

Before we begin

HW3 Due Mon, July 29, 10am OH Upson B7, Thursday, 3-5pm PR Projects

Today

- Binary Files
- Time Series
- Sound and Sampling
- Audio Files

Anatomy of Files

- Text Files vs. Binary Files
- Example Text files: .txt (plain), .html (markup)
- Example Binary files: .exe .bmp .png .zip

X-raying Binary Files

- Use hexdump
- File formats
- File headers

Time Series

- Ithaca Weather
- Stock Market
- Audio Signals

Sound

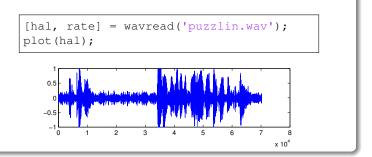
- Waves
- Frequency
- Sampling

Let's split!

puzzlin.wav

"It's puzzling"

"I don't think I've ever seen anything quite like this before"



Let's split!

