Reading and playing .wav files Previous Lecture: Review matrix, cell array, structure array [y,rate,nBits] = wavread(`austin.wav') Today's Lecture: sound(y,rate) Working with sound files • Review vector, graphics, struct array, cell array A way file is for the computer to processsoftware is required to play the sound. Announcement: P5 due 4/11 (tomorrow) at 3pm Computing with sound in Matlab requires that we Review session Sunday 1-2:30pm, location TBA first convert the way format data into simple numeric data—the job of wavread. Prelim 3 Tuesday 7:30-9pm

April 10, 2008





Lecture 22

Sampling Rate		
Given human perception, 20000 samples/second is pretty good (20000Hz or 20kHz)		
8,000 Hz	required for speech over the telephone	
44,100 Hz	required for audio CD	
192,400 Hz	required for HD-DVD audio tracks	
April 10, 2008	Lecture 22	5















April 10, 2008

```
Possible solution

playList = {'austin',...
    'sp_beam',...
    'sp_oz6'};

for k=1:length(playList)
  [y,rate] = wavread(playList{k});
  sound(y,rate)
end

Problem: will start playing sp_beam before
  austin finishes playing
```

Lecture 22









