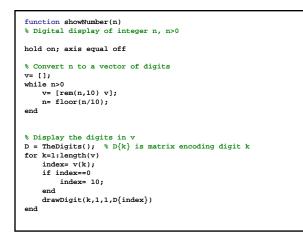
- Previous Lecture:
  Review matrix, cell array, structure array
- Today's Lecture:
  - Working with sound files
  - Review vector, graphics, struct array, cell array
- Announcements:
  - P5 due Friday at I pm
  - Prelim 3 Tuesday 7:30pm
    - Sound (today's topic) will NOT be on prelim 3
    - Review session Sunday 1:30-3pm, location TBA

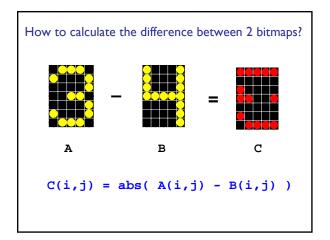
Digital display of a whole number

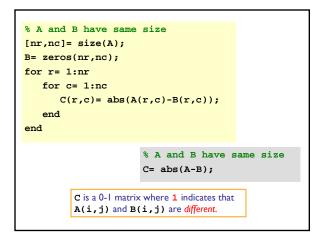
Example: showNumber(2010)

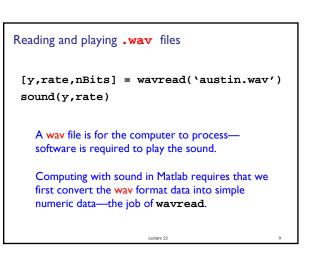


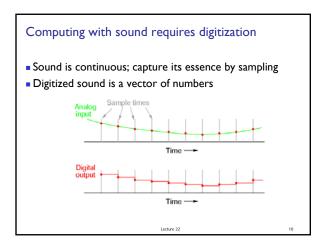
- Need to convert the number to a vector of digits
   2010 → [2 0 1 0]
- Then display the digits in the vector side-by-side

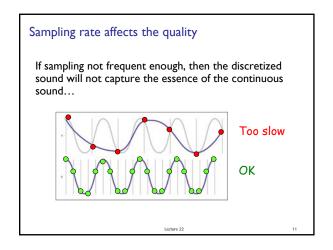












Sampling Rate		
Given human perception, 20000 samples/second is pretty good (20000Hz or 20kHz)		
8,000 Hz	required for speech over the telephone	
44,100 Hz	required for audio CD	
192,400 Hz	required for HD-DVD audio tracks	
	Lecture 22	12

