FCE 430 ledure Minday March 27, 2023

Announcements

- 1 No quiz this week
- 2) HW No. 7 dre Webresday 29 March at 1):59p EDT
- 3 Office Hoors tooky:

@ 2:36 EDT

(b) 4:00 A EDT

Speech

Module 4.1.1 = Applications of speech processing

- Characteristics of speach

Module 4.1.2 - speech model
come overly with Malile 4.1.1

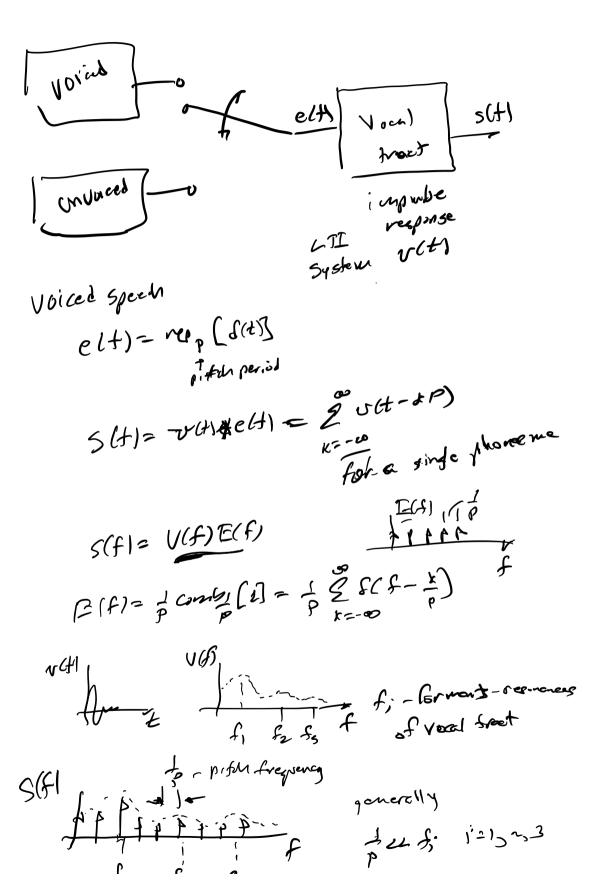
Module 4.2, 0 - gleart-time sourier transform.
Two interpretations:

DTFT of crindowed segment of speech

Wolfe 4.2.2 Filte bank

Module 4.2.1 - SKip

Peview model for speed generation



+1 12 F2 Define ST. DTFT $\frac{3(u,n_0)}{n-\frac{2}{3}} = \frac{5(n,n_0)}{n} = \frac{5}{3}$ SCA, no 3 = 5 CM3 WC no-m3 = s[n] w[-(n-n)]

Sulm = sund sulm = sulm] s

Symmetric w[N=N]-N

If t symmetric w[N=N]-N Skelmes Let N be length of window

Jet N be length of window

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work of the window frame of the window S(w,no) ~ V(pu) The , dea is that Styn, my has very little energy les consider a spect sogson fraction of No albay horizontal axis and walong vertical axis

See perpolic "bands" of every, along no oxis good fing resolution - can see that GCN3 consists of periodic repetitions of vical freet response - called a widehard greating sem Now cons, der cose Where N77 P sing of S(w, no) som (V(w)) again neglected place factor due to suist of window por fine good pregrang nisolatas