The state of the s Lecture-3

Voice Coders (vocoboRS)

In order to listen, what had been spocken precisely, we need as no. of representation levels.

But in practical Scenario it is not so, even a supresentation lovel of wave form will suffice the purpose.

This analogy give a chance to design a transmission System at lower bit rate.

Vocadors are source coders which operate at a significantly lower rate than even ADM.

generally vocoper bit rates are in the range 1.2 to 2.4 kb/s However, une resulting reproduced voice has a synthetic Sounding and a somewhat artificial omality.

VOCODERS are used in operator recorded message of IVR systems.

-> In order to design vocoDERS, we need to understand. physiology of vocal coods,

voice Model

Switch whose position is determined by whather sound is voicedor unvoiced. represent unvoiced Sound. synthesized Impulse generator to represent voiced sounds approximation to speach To represent waveform. effect of mouth throat Frequency control to accommodate to and nasal passage. pitch of voiced hound.

Types of vocaders ->

- 1 channel vocoders
- Linear Predictive coders
- Multi Pulse Excited linear predictor
- code Excited Linear Prediction
- Mixed Excitation linear Prediction

for Self Study

channel vocaders >

