Shreya Laddha

1800 7005 Pergo D

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Srequencies with larger amplitudes in the magnitude

spectrum, i.e., the position of the resonance frequencies

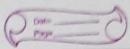
Ence there are realized as Since there are vertical lines, this is a wideband spectrogram analysis so typical window size is /k/ and /p/ are two unvoiced phones. We see in the waveforms that bother of these phones are followed by 1a/ phone which is voiced and both of them, there is a pause or a closure and est /They have different the starting and then Jolloved by a little impulse or formant Jeoguenies/ a bit of noise . This attributes to the fact that The burst is the case of voiced consonants as these are in plosive.

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In the phone un voiced we also see that the duration of the phones are much lower than following (a). It has a lower amplitude waves in your waveform (random fluctuations) as this is aspirated. There is no closure / silence before this. In similarity, it also does not have large amplitudes like vowels. (c) the silences correspond to /k/ and /p/ phones, both of them are unvoiced, unaspirated plosives. (d) In the final word we see that the formants of (a)
more toward the formants of /n/ nasal. F1 of nasal
is lower than (a) so it moves down and F2 is larger than that of 191 so it moves up. We also know

Avreya laddha 180070054 (2000)



that masals are weak so there is shorp deem are in the amplitude of especially the F2 formant frequenty.

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In terms of place of articulation, since (n) is a nasalised consonant that means the values will be open as nasal cavity will be open. This will get coupled with the enterance of lat phone as our vocal tract will begin taking shape during (a) only. This is also attributed to the fact that vowells have a high tendency of co-articulation.

we also know that nasals have very low tendency of co-articulation so we do not see any co-articulation between ful and life

If by male speaker, we expect waveform, the periods frequency will reduce (Fine) and in spectrogram, we expect the spacing between harmonics to reduce.

To we also expect the formant frequencies to shift towards lower values a bit due to changes in characteristics of speaker. These formant frequencies to shift by different amounts for different phones.

The shifting change in formant frequencies will mean that the shape of waveforms will also change a bit as the hidden envelope changes.