Pitch

Auditory Sensations on a Frequency scale from low to high, where frequency depends on the sound pressure # walleform

-Pitch ferception is the basis of Musical Melody -Variations in Pitch give the sensation of Musical tunes

Tone height describes Musical Pitch, ≢ is related to the log of the frequency of the tone

- "Tone Chroma" is the quality of tones w/ the same letter on the musical scale

- "Pitch Strength" refers to the Strength or Weakness OF a sounds Pitch

MEL Scale -The unit for Subjective Pitch is called MEL - the standard of 1kHz @ 40 Phons (dB SPD) = 1k mels - 3.5 k mels Callers the audible range MEL as a function of Freq. where - The Mel scale has its probes but it does indicate that pitch is NOT equilValent to Frequency Change

- & Shows (/s to BM distance & Crit bands (Pitch Putception)
- Q LOW Freq, Pitch = Freq,
- Q High Freq, Pitch < Freq.</p> - When intensity increases, the pitch of LF <2KHZ decleased - When intensity increases the pitch of HF >4K the increases Freq. D'iscrimination (FD) - not a direct measure of pitch percep. -We've gone over this honestly - Ind-Just noticeable difference - DLF- LIFF. Limen for Freq, - FMDL-FM detection linen - DLF For Ptones Varies W/- Frey, increasing @HF -Intensity, improving @ high levels - Dest Middle Freq, region (compy listening level) is 2/10's (.2%) of the Nominal Freq. Theories of Pitch Perception

Thace theories - the idea that sounds are

-"Best Beats" - When the intensity levels of 2 tones are equal the beats will be greater/louder - AS level difference increases the beat loudness decreases

-A Model - A Model combining the other theories - has 5 stages-

resolves LF Harmonics + | - Bank OF BPF (band - pass Filters)

1 OF MOISE Pitc