

Comparing Sounds of the Singing Voice

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Abstract : This experiment aims at showing that classical singing and belting have both different singing qualities, but singing with a speaking voice has no singing quality. For this purpose, a singing female voice was recorded on four different tone pitches, singing the vowel 'a' by using 3 different kinds of singing - classical trained voice, belting voice and speaking voice. The recordings have been entered in the Software Praat. Then the formants of each recorded tone were compared to each other and put in relationship to the singer's formant. The visible results are taken as an indicator of comparable sound qualities of a classical trained female voice and a belting female voice concerning the concentration of overtones in F1 to F5 and a lack of sound quality in the speaking voice for singing purpose. The results also show that classical singing and belting are both valuable vocal techniques for singing due to their richness of overtones and that belting is not comparable to shouting or screaming. Singing with a speaking voice in contrast should not be called singing due to the lack of overtones which means by definition that there is no musical tone.

Keywords : formants, overtone, singer's formant, singing voice, belting, classical singing, singing with the speaking voice

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