

FIRST OUTLINE

Question: What is the interrelationship between the vowels in the Spanish language? And are the vowels concordant to one another?

- I. Background knowledge of Phonetic linguistics(explain with pictures first)
 - A. Articulatory Phonetics
 1. Study of the production of speech sounds by the articulatory and vocal tract of the speaker
 - a. Constant Place of Articulation
 - b. Constant Manner
 - c. Vowel Classification
 - B. Acoustic Phonetics
 1. Study of the physical transmission of speech sounds from the speaker to the listener
 - C. Auditory Phonetics
 1. The study of the reception and perception of speech sounds by the listener
- II. Phonetic science: descriptions and examples (detail description of vowels)
 - A. Articulatory Phonetics
 - B. Acoustic Phonetics
 - C. Auditory Phonetics?
 - D. Quantal Nature of Speech?
- III. Intonation
- IV. Comparative analysis between Spanish vowels and English vowels
 - A. Do vowels in English share similar tonal and harmonic acoustic qualities with those of Spanish?
- V. Conclusion