

**Abstract**

The current research deals with the acoustic features of some unstressed vowels in American spontaneous speech. We hypothesize that such complex of factors as unstressed position, surrounding vowels and surrounding consonants have the impact on the reduced unstressed vowels coordinating their phonetic features and leading to the vowel harmony in certain instances. Such an impact is observed both in pre-stressed and post-stressed positions. The results of the acoustic study proved the hypothesis and enabled to single out three types of phonetic vowel harmony: [ɪ]-type, [ɜ̣]-type and [ɔ̣]-type. No other types were found.