

A Phonetic Investigation of Greek Palatals

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This project was an attempt to determine whether or not all of the palatalized consonants in Greek share the same place of articulation by using acoustic data. A previous study found that there were differences in place of articulation between the palatalized obstruents and sonorants using articulatory data; this study attempted to replicate those results with acoustic data. Nine native Greek speakers were recorded speaking sentences that contained the relevant sounds, and the recordings were analyzed in Praat. In order to determine the place of articulation of the palatalized consonants, the effects that they had on the formants of adjacent vowels were compared to those of the controls. After statistical analysis was conducted on the data, the conclusion was that all of the consonants have roughly the same effect on the formants of surrounding vowels and thus probably have roughly the same place of articulation.