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# Abstracts Glottometrics 30, 2015

## Hanna Gnatchuk

### Phonosemantic features of English and German consonants

1-18

**Abstract.** The problem of the connection between sounds and meanings has been a point of debate among linguists throughout centuries. In this project, we are intended to confirm and establish semantic features for English and German consonants in the human mind. In order to achieve the objective, we undertake a psycholinguistic experiment. Then we treat the data with the help of quantitative methods – Osgood’s semantic differential and the chi-square test. As a result, we have confirmed and established the semantic features for English and German consonants. Moreover, the outcomes of the psycholinguistic experiment have shown that the meanings of the sounds bear a close resemblance with their acoustic features: voiced and sonorant phonemes were evaluated as “kind” and “smooth” while voiceless – as “rough” and “fast” (in English and German). The practical application of the results may be of great use in creating brand names for industrial goods with a special emphasis on the semantics of the selected sounds

## Ioan-Iovitz Popescu, Gabriel Altmann

### A simplified lambda indicator in text analysis

19-44

**Abstract.** The aim of the article is to show an alternative, easier computation of the Lambda indicator which displays the frequency structuring of the text. Here not all frequencies need to be taken into account, it is sufficient to consider the first and the last values and the h-point. The article brings a survey of many texts in several languages.

## C. George Sandulescu, Lidia Vianu, Ioan-Iovitz Popescu, Andrew Wilson, Róisín Knight, Gabriel Altmann

### Quantifying Joyce’s *Finnegans Wake*

45-72

**Abstract.** The aim of the article is to show that the quantitative indicators already applied to many texts are useful also for characterizing a special text containing many artificial components created by J. Joyce.

## **Ruina Chen, Gabriel Altmann**

**Conceptual inertia in texts**

73-85

**Abstract.** Conceptual unity of the text can be captured in different ways. Here, we use the Belza-chains and their presence in texts to perform a kind of measurement, comparisons, tests and modeling.

## **Hanna Gnatchuk**

**A bibliography of quantitative studies on sound symbolism**

86-90