Contents of

Glottometrics 21, 2011 (including abstracts)

To Honor R. Köhler

Abstract. The aim of this paper is to show that the lengths of morphs, syllables and words in German abide by law. The findings lend support to the theory of word length distributions (Wimmer et alii 1994, Wimmer & Altmann 1996) once more.

Abstract. The article deals with determining author's style through frequency of clauses, length of complex sentence and complexity of the sentence proper. These parameters are viewed as the main criteria for distinguishing author's style.

Abstract. Logistic laws apply to many areas of developmental phenomena such as biology, demography, medicine, linguistics, etc. In this study, the logistic law known as Piotrowski Law, will be supported based upon data from *Kluge, Etymologisches Wörterbuch der deutschen Sprache* (24. Auflage 2002). Words borrowed from other languages and the ones developed within German language have been taken into account.

Abstract. Texts are composed of many different strata on different levels. A method is proposed to find the number of strata at the word-form level in Slovak poetry and to study the relationship between the parameters of the fitting function.

Mačutek, Ján; Švehlíková, Zuzana; Cenkerová, Zuzana

Towards a model for rank-frequency distributions of melodic intervals   **60-64**

Abstract. The rank-frequency distribution of melodic intervals occurring in the Palestrina's *Missa Papae Marcelli* are presented. The data are modeled by the negative hypergeometric distribution. The evaluation of goodness-of-fit measures is discussed.

Rovenchak, Andrij

A naïve conception of the uncertainty principle in the multiparametric attibution of texts   **65-72**

Abstract. An approach, which allows taking into consideration the dependencies of text parameters on text length, is suggested as a supplementary tool in text attribution. The proposed model is tested for Ukrainian texts of several genres, namely, sermons and scientific papers in humanities and natural sciences.

Andres, Jan; Benešová, Martina

Fractal analysis of Poe's Raven   **73-98**

Abstract. The fractal and cluster analyses of Poe's Raven, its one German and eighteen Czech translations are carried out. Following step by step the methodology developed in Andres et al. (s.d.), the appropriate segmentation of the poem on each linguistic level is investigated from the fractal point of view. The related language fractals are characterized by a degree of semanticity. Some of their models are also visualized by means of patterns reminding line codes. The (non)suitability of a quantitative exploration of poetical texts is discussed in a comparative way.

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