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### **Karl-Heinz Best**

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**Abstract.** In this paper the positive binomial distribution has been fitted to the ranked distribution of variations of a character of the Danube script. It brings a further corroboration of the hypothesis that diversification processes abide by laws.

### **Radek Čech, Ioan-Iovitz Popescu, Gabriel Altmann**

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Academician Andrey Nikolaevich Kolmogorov as a Scholar of Verse Theory 17-43

**Abstract.** The life of the great Russian mathematician Kolmogorov and his impact on the study of verse, especially rhythm, is described in this paper. The author is not only the follower of Kolmogorov but was also his personal acquaintance.

### **Radek Čech, Ioan-Iovitz Popescu, Gabriel Altmann**

Word length in Slovak poetry 44-56

**Abstract.** In the present article the place of word-length in Slovak poetry in the framework of the general theory is sought. Different models are presented. The possibility of applying Menzerath's law in this domain is scrutinized.

### **Karl-Heinz Best**

Word length distribution in French 57-61

**Abstract.** The present paper deals with word length in French letters and is part of the Göttingen *Projekt Quantitative Linguistik*. According to the examinations the *Hirata-Poisson distribution* yields good results. Hence the paper yields a further

corroboration of the hypothesis that word length distributions abide by laws.

### **Ioan-Iovitz Popescu, Radek Čech, Gabriel Altmann**

Vocabulary richness in Slovak poetry

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**Abstract.** This article examines different indicators of text properties – such as entropy, repeat rate, and arc length – and their distribution. All of these can be described as indicators of the vocabulary richness of the texts, as there is a very strict linear relationship between them.

### **Lu Wang**

Polysemy and word length in Chinese

**73-84**

**Abstract.** This paper investigates the distribution of polysemy and the relationship between polysemy and word length in Chinese. The results show that polysemy in Chinese abides by the Zipf-Mandelbrot law; word length is, in accordance with other studies, a function of polysemy and vice versa.

### **Project**

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Jin Cong: Quantitative Linguistics in China

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**ISSN 1617-8351**