

## Glottometrics, 31–50: Bibliography

Using the jubilee of *Glottometrics*, we are glad to present a continuation of a complete bibliography of all publications of the issues 31–50.

The contributions are ordered in five sections: (1) general articles, (2) history, (3) reviews, (4) bibliographies, and (5) miscellanea. Within each of these sections, the contributions are ordered according to authors' names and year of publication. For a copy of the bibliography as RIS or BibTeX file please contact [emmerich.kelih@univie.ac.at](mailto:emmerich.kelih@univie.ac.at).

### (1) General articles

- Altmann, Gabriel** (2016). Types of Hierarchies in Language. *Glottometrics*, 34; 44–55.
- Altmann, Gabriel** (2018). Some Properties of Adjectives in Texts. *Glottometrics*, 41; 67–79.
- Altmann, Gabriel** (2018). The Nature and Hierarchy of Belza-Chains. *Glottometrics*, 42; 75–85.
- Andreev, Sergej; Fan, Fengxiang; Altmann, Gabriel** (2018). Adnominal Aggregation. *Glottometrics*, 40; 63–76.
- Andreev, Sergej; Lupea, Mihaiela; Altmann, Gabriel** (2017). Belza Chains of Adnominals. *Glottometrics*, 39; 72–87.
- Andreev, Sergey** (2018). Distribution of Syllables in Russian Sonnets. *Glottometrics*, 41; 13–23.
- Andreev, Sergey** (2016). Verbal vs. Adjectival Styles in Long Poems by A.S. Pushkin. *Glottometrics*, 33; 25–31.
- Andreev, Sergey** (2017). Verbal vs. Adjectival Styles in Belkin Tales by A. S. Pushkin. *Glottometrics*, 36; 17–21.
- Andreev, Sergey** (2018). A Study of Russian Adnominals. *Glottometrics*, 42; 56–74.
- Andreev, Sergey** (2018). Adnominal Valency Motifs in Sonnets. *Glottometrics*, 42; 46–55.
- Andreev, Sergey** (2019). Types of Syllable Distribution in Russian Long Poems. *Glottometrics*, 46; 29–40.
- Andreev, Sergey** (2020). Nominal vs. Adjectival Adnominals in Russian Fiction: Relationship and Distribution. *Glottometrics*, 49; 1–12.
- Andreev, Sergey** (2020). Syllabic Identity of Verse Lines in Russian Long Poems: Skinner's Hypothesis. *Glottometrics*, 48; 1–8.
- Andreev, Sergey; Celano, Giuseppe; Yang, Jiang; Altmann, Gabriel** (2018). Some Properties of Polysemy. *Glottometrics*, 43; 77–90.
- Andreev, Sergey; Popescu, Ioan-Iovitz; Altmann, Gabriel** (2016). On Russian Adnominals. *Glottometrics*, 35; 64–84.
- Andreev, Sergey; Popescu, Ioan-Iovitz; Altmann, Gabriel** (2017). Skinner's Hypothesis Applied to Russian Adnominals. *Glottometrics*, 36; 32–69.
- Andreev, Sergey; Popescu, Ioan-Iovitz; Altmann, Gabriel** (2017). Some Properties of Adnominals in Russian Texts. *Glottometrics*, 38; 77–106.
- Andreev, Vadim** (2020). Fitting the Distribution of the Syllabic Types in Different Positions of Verse. *Glottometrics*, 49; 87–97.
- Best, Karl-Heinz** (2015). Malay Borrowings in English. *Glottometrics*, 31; 50–53.
- Best, Karl-Heinz; Místecký, Michal; Zörnig, Peter; Altmann, Gabriel** (2019). Quantifying the Quantitative Meter: On Rhythmic Types in the Dactylic Hexameter. *Glottometrics*, 46; 83–98.
- Bortolato, Claudia** (2016). Intertextual Distance of Function Words as a Tool to Detect an Author's Gender: A Corpus-Based Study on Contemporary Italian Literature. *Glottometrics*, 34; 28–43.

- Buk, Solomija; Rovenchak, Andrij** (2019). Simple Definition of Distances between Texts from Rank–Frequency Distributions. A Case of Ukrainian Long Prose Works by Ivan Franko. *Glottometrics*, 46; 1–11.
- Cai, Huiying; Qu, Yunhua; Feng, Zhiwei** (2019). A Corpus-Based Study of the Semantic Prosody of Chinese Light Verb Pattern Across Registers: Taking jinxing and shoudao as Examples. *Glottometrics*, 46; 61–82.
- Chen, Xinying; Gómez-Rodríguez Carlos; Ferrer-i-Cancho, Ramon** (2018). A Dependency Look at the Reality of Constituency. *Glottometrics*, 40; 104–106.
- Coloma, Germán** (2016). An Optimization Model of Global Language Complexity. *Glottometrics*, 35; 49–63.
- Dai, Zheyuan; Liu, Haitao** (2019). Quantitative Analysis of Queen Elizabeth II's and American Presidents' Christmas Messages over 50 Years (1967–2018). *Glottometrics*, 45; 63–88.
- Fang, Yu; Liu, Haitao** (2015). Comparison of Vocabulary Richness in Two Translated Hongloumeng. *Glottometrics*, 31; 54–75.
- Ferrer-i-Cancho, Ramon** (2016). The Meaning-Frequency Law in Zipfian Optimization Models of Communication. *Glottometrics*, 35; 28–37.
- Ferrer-i-Cancho, Ramon** (2017). Random Crossings in Dependency Trees. *Glottometrics*, 37; 1–12.
- Ferrer-i-Cancho, Ramon** (2017). The Optimality of Attaching Unlinked Labels to Unlinked Meanings. *Glottometrics*, 36; 1–16.
- Ferrer-i-Cancho, Ramon** (2017). The Placement of the Head that Maximizes Predictability. An Information Theoretic Approach. *Glottometrics*, 39; 38–71.
- Ferrer-i-Cancho, Ramon; Gómez-Rodríguez, Carlos** (2016). Liberating Language Research from Dogmas of the 20th Century. *Glottometrics*, 33; 33–34.
- Gao, Zhao** (2019). A Quantitative Lexical Study on Commercial English. *Glottometrics*, 47; 16–35.
- Gnatchuk, Anna** (2016). A Quantitative Analysis of English Compounds in Scientific Texts. *Glottometrics*, 33; 1–7.
- Gnatchuk, Hanna** (2015). A Quantitative Investigation of English Compounds in Prose Texts. *Glottometrics*, 32; 1–8.
- Gnatchuk, Hanna** (2015). Anglicisms in the Austrian Newspaper Kleine Zeitung. *Glottometrics*, 31; 38–49.
- Gnatchuk, Hanna** (2015). Sound Symbolism: Myths and reality. *Glottometrics*, 31; 1–30.
- Gnatchuk, Hanna** (2016). The Relationship between English Synonyms and Compounds. *Glottometrics*, 34; 9–13.
- Gnatchuk, Hanna** (2019). Measuring Lexical Richness of the USA Presidents' Inauguration Speeches. *Glottometrics*, 44; 87–93.
- Gnatchuk, Hanna** (2019). The Classification of English Styles on the Basis of Lexical Parameters: A Case of Clustering Analysis. *Glottometrics*, 45; 57–62.
- Gnatciuc, Anastasia; Gnatchuk, Hanna** (2018). Linking Elements of German Compounds in the Texts of Technical Science. *Glottometrics*, 40; 46–50.
- Gnatciuc, Anastasia; Gnatchuk, Hanna** (2020). Identification of English Styles on the Basis of Parts of Speech: A Case of Principal Component Analysis and Factor Analysis. *Glottometrics*, 48; 52–66.
- Holm, Hans J.** (2017). Steppe Homeland of Indo-Europeans Favored by a Bayesian Approach with Revised Data and Processing. *Glottometrics*, 37; 54–81.
- Hou, Renkui; Huang, Chu-Ren; Zhou, Mi; Jiang, Menghan** (2019). Distance between Chinese Registers Based on the Menzerath-Altmann Law and Regression Analysis. *Glottometrics*, 45; 24–57.

- Huang, Wei** (2015). Quantitative Studies in Chinese Language. *Glottometrics*, 31; 76–84.
- Hůla, Jan; Kubát, Miroslav; Čech, Radek; Chen, Xinying; Číž, David; Pelegrinová, Kateřina; Milička, Jiří** (2019). Context Specificity of Lemma. Diachronic Analysis. *Glottometrics*, 45; 7–23.
- Ishutin, Denys; Gnatchuk, Hanna** (2017). Ukrainian Compounds in the Texts of Computer Science. *Glottometrics*, 39; 88–92.
- Kelih, Emmerich** (2019). Segmental and Suprasegmental Vowel Frequencies in Slovene: Statistical Modeling. *Glottometrics*, 45; 1–6.
- Kelih, Emmerich; Altmann, Gabriel** (2015). A Continuous Model for Polysemy. *Glottometrics*, 31; 31–37.
- Kelih, Emmerich; Andreev, Sergey; Altmann, Gabriel** (2018). Polysemy of some Parts of Speech. *Glottometrics*, 42; 39–45.
- Kelih, Emmerich; Köhler, Reinhard; Altmann, Gabriel** (2020). Obituary. Peter Grzybek (1957 – 2019). *Glottometrics*, 48; 1–2.
- King, Adam** (2018). The Lexicon and the Noisy Channel: Words are shaped to avoid confusion. *Glottometrics*, 43; 58–67.
- Köhler, Reinhard; Naumann, Sven** (2016). Syntactic Text Characterisation Using Linguistics S-Motifs. *Glottometrics*, 34; 1–8.
- Kolenčíková, Natália; Altmann, Gabriel** (2020). Analysis of Prepositions in Marína (Slovak Romantic Poem). *Glottometrics*, 48; 88–107.
- Kolenčíková, Natália; Místecký, Michal; Altmann, Gabriel** (2020). Polysemy of Rhyme Words: A Case Study of Two Slovak Poems. *Glottometrics*, 49; 13–31.
- Kubát, Miroslav; Čech, Radek** (2016). Quantitative Analysis of US Presidential Inaugural Addresses. *Glottometrics*, 34; 14–27.
- Li, Jingjie** (2019). Inter-textual Vocabulary Growth Patterns for Marine Engineering English. *Glottometrics*, 47; 36–51.
- Liu, Haitao; Xu, Chunshan; Liang, Junxing** (2016). Dependency Length Minimization: Puzzles and Promises. *Glottometrics*, 33; 35–38.
- Liu, Ziqi; Liu, Haitao** (2020). Quantitative Analysis of Academic Writing as to Informality and Vocabulary Features. *Glottometrics*, 49; 32–51.
- Lu, Fang; Liu, Haitao** (2015). Probability distribution of interlingual lexical divergences in Chinese and English: *dao* and *said* in Hongloumeng. *Glottometrics*, 32; 63–87.
- Ma, Hong; Liu, Haitao** (2019). Probability Distribution of Causal Linguistic Features. *Glottometrics*, 44; 77–86.
- Mehler, Alexander; Gleim, Rüdiger; Uslua, Tolga; Stegbauer, Christian** (2018). On the Self-similarity of Wikipedia Talks: A Combined Discourse-analytical and Quantitative Approach. *Glottometrics*, 40; 1–45.
- Melka, Tomas** (2018). Stylistic study of Omnilingual by H. Beam Piper. *Glottometrics*, 43; 31–57.
- Miangah Mosavi, Tayebeh; Rezai Javad, Mohammad** (2016). Persian Text Ranking Using Lexical Richness Indicators. *Glottometrics*, 35; 6–15.
- Michels, Christopher** (2015). The Relationship between Word Length and Compounding Activity in English. *Glottometrics*, 32; 88–98.
- Místecký, Michal** (2018). Belza Chains in Machar's Letní sonety. *Glottometrics*, 41; 46–56.
- Místecký, Michal** (2018). Counting Stylistic Properties of Sonnets: A Case Study of Machar's Letní sonety. *Glottometrics*, 41; 1–12.
- Místecký, Michal; Altmann, Gabriel** (2019). Tense and Person in English: Modelling Attempts. *Glottometrics*, 46; 98–104.

- Místecký, Michal; Altmann, Gabriel; Andreev, Sergey** (2018). Piotrowski Law in Sequences of Activity and Attributiveness: A Four-Language Survey. *Glottometrics*, 42; 21–38.
- Místecký, Michal; Radková, Lucie** (2020). School and Gender in Numbers: A Stylometric Insight into the Lexis of Teenagers' Description Essays. *Glottometrics*, 49; 52–65.
- Místecký, Michal; Yang, Jiang; Altmann, Gabriel** (2018). Belza-Chain Analysis: Weighting Elements. *Glottometrics*, 43; 68–76.
- Mohanty, Panchanan; Popescu, Ioan-Iovitz; Altmann, Gabriel** (2019). Script Complexity in Indian Languages. *Glottometrics*, 44; 94–99.
- Pavel, Kosek; Čech, Radek; Navrátilova, Olga; Mačutek, Ján** (2018). On the Development of Old Czech (En)clitics. *Glottometrics*, 40; 51–62.
- Pelegrinová, Kateřina; Altmann, Gabriel** (2017). The Study of Adverbials in Czech. *Glottometrics*, 37; 34–53.
- Pelegrinová, Kateřina; Altmann, Gabriel** (2020). Concept Realization in Texts. *Glottometrics*, 48; 9–16.
- Petrack, Fabienne; Gnatchuk, Hanna** (2017). Lexicographic Problems of Collocations in Quantitative Linguistics. *Glottometrics*, 38; 21–29.
- Poiret, Rafaël; Liu, Haitao** (2017). Mastering the Measurement of Text's Frequency Structure: an Investigation on Lambda's Reliability. *Glottometrics*, 37; 82–100.
- Popescu, Ioan-Iovitz; Mosavi Miangah, Tayebeh; Gnatchuk, Hanna; Čech, Radek; Bodoc, Alice; Altmann, Gabriel** (2017). On Rank-Frequency Distributions in Poetry. *Glottometrics*, 38; 30–54.
- Rácová, Anna; Zörník, Peter; Altmann, Gabriel** (2019). Syllable Structure in Romani: A Statistical Investigation. *Glottometrics*, 46; 41–60.
- Radojičić, Marija; Lazić, Biljana; Kaplar, Sebastijan; Ranka, Stanković; Obradović, Ivan; Mačutek, Ján; Leššová, Lívia** (2019). Frequency and Length of Syllables in Serbian. *Glottometrics*, 45; 114–123.
- Reina, Francesc; Castellón, Irene; Padró, Lluis** (2019). Towards the Prepositional Meaning via Machine Learning: A Case Study of Spanish Grammar. *Glottometrics*, 44; 1–15.
- Rimkeit-Vit, Lyubov; Gnatchuk, Hanna** (2016). Euphemisms in Political Speeches by USA Presidents. *Glottometrics*, 35; 16–21.
- Roelcke, Thorsten; Popescu, Ioan-Iovitz; Altmann, Gabriel** (2017). Aspects of Text Concentration. *Glottometrics*, 36; 70–86.
- Rostin, Tim** (2016). List of Journals Containing Contributions to Quantitative linguistics. *Glottometrics*, 33; 73–100.
- Rottmann, Otto A.** (2018). On Word Length in German and Polish. *Glottometrics*, 42; 13–20.
- Rovenchak, Andrij; Rovenchak, Olha** (2018). Quantifying Comprehensibility of Christmas and Easter Addresses from the Ukrainian Greek Catholic Church Hierarchs. *Glottometrics*, 41; 57–66.
- Rovenchak, Andrij; Vydrin, Valentin** (2020). Syllable Frequencies in Manding: Examples from Periodicals in Bamana and Maninka. *Glottometrics*, 48; 17–36.
- Sanada, Haruko; Altmann, Gabriel** (2018). Word Length and Polysemy in Japanese. *Glottometrics*, 41; 40–45.
- Savoy, Jacques** (2017). Analysis of the Style and the Rhetoric of the American Presidents Over Two Centuries. *Glottometrics*, 38; 55–76.
- Shmidt, Ekaterina; Gnatchuk, Hanna** (2016). German Compounds in the Texts of Technical Science. *Glottometrics*, 35; 1–5.

- Stachowski, Kamil** (2020). Tools for Semi-Automatic Analysis of Sound Correspondences: The Soundcorrs Package for R. *Glottometrics*, 49; 66–86.
- Su, Hong** (2019). A Study on Inter-textual Vocabulary Growth Patterns for Maritime Convention English. *Glottometrics*, 47; 52–65.
- Vasilev, Alexei; Vasileva, Ilona** (2018). Text Length and Vocabulary Size: Case of the Ukrainian Writer Ivan Franko. *Glottometrics*, 43; 1–10.
- Wang, Lin; Čech, Radek** (2016). The Impact of Code-Switching on the Menzerath-Altmann Law. *Glottometrics*, 35; 22–37.

## (2) History

- Best, Karl-Heinz** (2017). Weitere Autoren für eine Geschichte der Quantitativen Linguistik. *Glottometrics*, 36; 87–119.
- Best, Karl-Heinz; Altmann, Gabriel** (2018). Word Length with G. Herdan. To the Memory of G. Herdan who Died 16. 11. 1968. *Glottometrics*, 42; 86–90.
- Hernández-Fernández, Antoni; Ferrer-i-Cancho, Ramon (2018). José María de Oleza Arredondo, S.J. (1887–1975). *Glottometrics*, 41; 80–86.
- Wang, Yaqin; Liu, Haitao** (2018). In Remembrance of Fengxiang Fan, 1950–2018. A Pioneer of Quantitative Linguistics in China. *Glottometrics*, 43; 91–96.
- Wang, Yawen; Liu, Haitao** (2019). The Effects of Source Languages on Syntactic Structures of Target Languages in the Simultaneous Interpretation: A Quantitative Investigation Based on Dependency Syntactic Treebanks. *Glottometrics*, 45; 89–113.
- Wei, Aiyun; Liu, Haitao** (2019). Typological Features of Zhuang from the Perspective of Word Frequency Distribution. *Glottometrics*, 44; 59–75.
- Wilson, Andrew** (2020). Lengths and L-motifs of Rhythmical Units in Formal British Speech. *Glottometrics*, 48; 37–51.
- Xu, Yingying** (2019). The Distribution of Word Families in Chinese College English Textbooks. *Glottometrics*, 47; 1–15.
- Xu, Yingying; Yu, Yang; Fan, Fengxiang** (2018). Quantitative Linguistics and R. *Glottometrics*, 42; 1–12.
- Yan, Jianwei; Liu, Siqui** (2017). The Distribution of Dependency Relations in Great Expectations and Jane Eyre. *Glottometrics*, 37; 13–33.
- Yan, Yaobin** (2019). A Corpus-Based Comparative Study of Lexis in Hong Kong and Native British Spoken English. *Glottometrics*, 47; 66–82.
- Yang, Yu; Jhang, Se-Eun** (2018). A Menzerath-Altmann Model for NP length and Complexity in Maritime English. *Glottometrics*, 40; 91–103.
- Yu, Biyan; Jiang, Yue** (2018). Probability Distribution of Syntactic Divergences of Determiner his-(Adjective)-Noun Structure in English-to-Chinese Translation. *Glottometrics*, 40; 77–90.
- Zenkov, Andrei V.; Místecký, Michal** (2019). The Romantic Clash: Influence of Karel Sabina over Mácha's Cikáni from the Perspective of the Numerals Usage Statistics. *Glottometrics*, 46; 12–28.
- Zhang, Cong; Liu, Haitao** (2015). A Quantitative Investigation of the Genre Development of Modern Chinese Novels. *Glottometrics*, 32; 9–20.
- Zhang, Fangfang** (2019). Computational Stylistic Characteristics of American English. *Glottometrics*, 47; 123–137.
- Zhang, Guoqiang; Liu, Haitao** (2019). A Quantitative Analysis of English Variants Based on Dependency Treebanks. *Glottometrics*, 44; 16–33.

- Zhang, Hongxin; Liu, Haitao** (2016). Quantitative Aspects of RST Rhetorical Relations across Individual Levels. *Glottometrics*, 33; 8–24.
- Zhang, Xiaojin; Liu, Haitao** (2020). Function Words in Male and Female Authors: A Diachronic Investigation of Modern Chinese Prose. *Glottometrics*, 48; 67–87.
- Zhang, Xiaowen; Qu, Yunhua; Feng, Zhiwei** (2019). The Diachronic Relationship Between the Contemporary American English Present Perfect and Past Simple across Registers. *Glottometrics*, 44; 34–58.
- Zhou, Pianpian** (2019). A Study on the Subjectival Position and the Syntactic Complexity in Spoken English. *Glottometrics*, 47; 83–103.
- Zhu, Jieqiang; Liu, Haitao** (2018). The Distribution of Synonymous Variants in Wenzhounese. *Glottometrics*, 41; 24–39.
- Zhu, Yujia** (2019). A Comparative Study on NP Length, Complexity and Pattern in Spoken and Written English. *Glottometrics*, 47; 104–122.
- Zörnig, Peter** (2017). On the Arc Length in Quantitative Linguistics: a Continuous Model. *Glottometrics*, 36; 22–31.
- Zörnig, Peter; Altmann, Gabriel** (2016). Activity in Italian Presidential Speeches. *Glottometrics*, 35; 38–48.
- Zörnig, Peter; Místecký, Michal** (2018). Quantifying the Importance of Stylometric Indicators: A Principal Component Approach to Czech Sonnets. *Glottometrics*, 43; 11–30.
- Zörnig, Peter; Popescu, Ioan-Iovitz; Altmann, Gabriel** (2015). Statistical Approach to Measure Stylistic Centrality. *Glottometrics*, 32; 21–54.

### (3) Reviews

- Altmann, Gabriel** (2017). Kelih, Emmerich (2016): Phonologische Diversität - Wechselbeziehungen zwischen Phonologie, Morphologie und Syntax. Frankfurt am Main: Lang Verlag. *Glottometrics*, 37; 101.
- Beaudouin, Valérie** (2016). Statistical Analysis of Textual Data: Benzécri and the French School of Data Analysis. *Glottometrics*, 33; 56–72.
- Chen, Heng** (2018). Review: Mikhail Kopotev, Olga Lyashevskaya, & Arto Mustajoki. (Eds.) (2017). Quantitative Approaches to the Russian Language. New York: Routledge. ISBN: 978-1-138-09715-5, 220 pp. *Glottometrics*, 41; 91–95.
- Gnatchuk, Hanna** (2017). Liu, Haitao; Liang, Junying (eds.) (2017): Motifs in Language and Text. Berlin/Boston: de Gruyter Mouton. 271pp. (= Quantitative Linguistics, vol. 71). *Glottometrics*, 37; 102–105.
- Gnatchuk, Hanna** (2018). Haitao Liu, Junying Liang (eds.) (2017), Motifs in Language and Text. Berlin/ Boston: De Gruyter Mouton, pp. 271. (Quantitative Linguistics Vol. 71). *Glottometrics*, 41; 87–90.
- Ishutin, Denys** (2016). Hanna Gnatchuk: Sound Symbolism. A Phonosemantic Analysis of German and English consonants. Akademiker Verlag. 2015. 96 pp. *Glottometrics*, 33; 101–102.
- Místecký, Michal** (2017). Kubát, Miroslav: Kvantitativní analýza žánrů [A Quantitative Analysis of Genres]. Ostrava: Ostravská univerzita, 2016, 141 pp. *Glottometrics*, 39; 93–94.

### (4) Bibliographies

- Chen, Ruina** (2015). Bibliography of Quantitative Linguistics of Chinese Researches in International Academic Journals. *Glottometrics*, 31; 85–88.
- Grzybek, Peter; Kelih, Emmerich** (2015). *Glottometrics*, 1–30: Bibliography. *Glottometrics*, 31; 89–102.

**(5) Miscellanea**

- Ferrer-i-Cancho, Ramon** (2017). A Commentary on “The Now-or-Never Bottleneck: a Fundamental Constraint on Language”, by Christiansen and Chater (2016). *Glottometrics*, 38; 107–111.
- Futrell, Richard; Mahowald, Kyle; Gibson, Edward** (2016). Response to Liu, Xiu, and Liang (2015) and Ferrer-i-Cancho and Gómez-Rodríguez Dependency Length Minimization. *Glottometrics*, 33; 39–44.
- Léon, Jacqueline; Loiseau, Sylvain** (2016). Interview with Jean Petitot. *Glottometrics*, 34; 56–78.
- Liao, Shengyu; Lei, Lei** (2017). What We Talk about When We Talk about Corpus: A Bibliometric Analysis of Corpus-related Research in Linguistics (2000-2015). *Glottometrics*, 38; 1–20.
- Lin, Yanni; Liu, Haitao** (2017). Bibliometric Analysis of *Glottometrics*, *Glottometrics*, 39; 1–37.
- Wang, Yaqin** (2019). Preface. *Glottometrics*, 47; 1.

Compiled by *Emmerich Kelih<sup>1</sup>* & *Peter Grzybek<sup>2</sup>*

---

<sup>1</sup> University of Vienna, emmerich.kelih@univie.ac.at.  <http://orcid.org/0000-0002-8315-8916>

<sup>2</sup> University of Graz, Austria.