

SYSTEM ELEMENTS IN SCIENTIFIC TERMINOLOGY

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Abstract: To The study deals with system elements in scientific and technical terminology. It presents system elements as elements of terms and terminological connections that reflect any of the systemic relationships. Hierarchical relationships are presented as the main ones, but other relationships are also taken into account: cause-outcome relationship, whole-part relationship opposite relationship, negative relationship and quantitative relationships. In every terminological system, there is a subset of terms that have the property of systemicity. This means that the term itself reflects some of the systemic relationships. In most cases, this is achieved using international or national prefixes and prefixoids. The existence of these relations is demonstrated by examples from several languages, mostly from the field of ICT. The study points out the advantages of applying system elements in educational processes.

Keywords: Scientific terminology, systemicity of terms, system elements in terminology, systemicity in acquiring of terms in education

References

1. STOFFA, J.: Terminológia ako prostriedok uplatňovania systémového prístupu v technickom vzdelávaní. In: *Zborník*. 1. vyd. Nitra : Univerzita Konštantína Filozofa, Pedagogická fakulta UKF v Nitre, 1996, p. 53 – 63. ISBN 80-8050-102-5
2. STOFFA, J. – BIAŁCZYK, W.: Systemowość terminów w procesach poznawania. *Inżynieria Rolnicza*, 6 (17), 2000, p. 39 – 45.
3. STOFFA, J.: Beitrag der Terminologie zur Systemisierung der technischen Bildung. In: *Paper zur internationalen Konferenz Geschichte, Probleme und Entwicklung technischer Bildung*. Erfurt, 1999, p. 171 – 176. Without ISBN
4. STOFFA, J.: *Terminológia v technickej výchove*. 2nd corrected and supplemented edition. Olomouc : Univerzita Palackého v Olomouci, 2000. 162 p. ISBN 80-244-0139-8
5. STOFFA, J. – STOFFOVÁ, V.: *Terminológia informatiky a IKT*. 1st ed.. Trnava : TYPI Universitas Trnaviensis, 2017. 252 p. ISBN 978-80-568-0065-2

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