

- Schroeder M.J., (2014d), "Life, mind, and computation in physical world: search for common framework", [w:] A. Beckmann, E. Csuha-J-Variju, K. Meerc [eds.], *Electronic Proceedings of CiE 2014 Language, Life, Limits, 10th International Conference in Budapest, Hungary, June 23–27, 2014*, s. 220–229.
- Schroeder M.J., (2015), "Structural and quantitative characteristics of information and complexity", [w:] M. Kondo [ed.], *RIMS Kokyuroku*. Kyoto: Research Institute for Mathematical Sciences, Kyoto University.
- Shannon C.E., (1949), "The mathematical theory of communication", [w:] C.E. Shannon, W. Weaver, *The Mathematical Theory of Communication*, Urbana, IL, Univ. of Illinois Press, s. 3–91.
- Tononi G., (2007), Chapter 22, [w:] M. Velmans, S. Schneider [eds.], *The Blackwell Companion to Consciousness*; Malden, MA, Blackwell, s. 287–299.
- Tononi G., Edelman G.M., (1998a), "Consciousness and complexity." *Science*, 282 (Dec. 4, 1998): s. 1846–1851.
- Tononi G., Edelman G.M., (1998b), "Consciousness and the integration of information in the brain", *Advances in Neurology*, 77, s. 245–280.
- Turing A.M., (1936), "On computable numbers, with an application to the Entscheidungsproblem", *Proceedings of the London Mathematical Society, Ser.2*, 42, s. 230–265, cor. 43, s. 544–546.
- Zuse K., (1969), *Rechnender Raum*, Friedrich Vieweg & Sohn; <http://www.mathrix.org/zenil/ZuseCalculatingSpace-GermanZenil.pdf>

Identity definition of the concept of information

ABSTRACT. Main objective of the article is to present a solution for the controversies regarding the choice of a conceptual framework for informatics and to propose a definition of information which due to its generality unifies the earlier ways of its understanding considering the selective and structural aspects. The identity definition of information presented here can be used to develop its authentic theory, and in consequence the theory of the concepts such as information integration, information dynamics, computation.

KEY WORDS: conceptual framework for informatics, definition of information, identity definition of information, information integration, information dynamics, computation

Marcin J. Schroeder, Akita International University, 193-2 Okutsukakidai, Tsubakigawa, Yuwa, Akita-shi, 010-1211 Akita, Japan, mjs@aiu.ac.jp, tel. +81-18-886-5984, fax: +81-18-886-5910