
Summaries

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Tekst jest udostępniony do wykorzystania w ramach dozwolonego użytku.

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Elżbieta Kałuszyńska

The author claims that there is a crisis in contemporary philosophy of science. She tries to show a way out of this situation by rejecting the framework of logical empiricism.

Ryszard Wójcicki

The author presents three formal concepts of language: syntactical, semantical and pragmatical one. They are used to provide an analysis of the problem of context in the language.

Urszula Wybraniec-Skardowska

In the article the problem of imprecise information and concepts is considered. The theory of rough sets and the theory of fuzzy sets are used to provide an original solution to this problem.

Witold Strawński

The author deals with the problem of the unity of science. Four main ideas of logical empiricism connected with the unity of science: unity of language, unity of laws, unity of methods and unity of scientific practice are considered from contemporary point of view.

Paweł Zeidler

The main aim of this paper is to present the motivation of the thesis that theoretical models can not fulfill the function of representation. The author analyses examples of such models used in molecular quantum mechanics.

Max Urchs

The author points out that in some cases there are two distinct descriptions of the same phenomenon. The first one by means of the theory of chaos, the second - by the theory of causal relationship. The thesis is that these descriptions are not inconsistent but appear at different levels of abstraction.

Zygmunt Hajduk

In the article the criteria of evaluation of methodological theories are formulated. Methodology of Laudan and Lakatos are examined in more detailed way.

Małgorzata Czarnocka

In the article different modification of classical concept of truth are considered. The author claims that analyses of cognitive processes and ways of acquiring knowledge should be taken into account in such modification.

Jacek Wojtysiak

The author attempts to analyze and classify various meanings and functions of existential notions (such as *to be*, *to exist*). Special attention is put on the use of these notions in contemporary philosophical discussions.

Marek Hetmański

The article is devoted the problem of artificial intelligence. The main thesis is that a computer is able to simulate some of human activity, e.g. cognitive activity, but a computer is not substitute for brain (or mind). It can never become an autonomous subject.

Anna Lemańska

The author analyses ways of employment of computers in mathematics. In particular, the role of computers in the theory of fractals is considered. The author advocates the view that use of computers do not change the character of mathematics - which is a deductive, not an experimental science.