

On the Future of Logics

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Abstract

In this paper, we illuminate that logic, as a family resemblance, is of openness in its extension and intension, and so its research objects and aims are changeable. And then we discuss the future of logics from the perspectives of science and humanities. As results, the foundation and the characteristics of cognitive turn in logic are expatiated. Finally we demonstrate the principle of culture-equality and relativity of logics, and explain why the rules for cross-culture argumentations should be taken as central topic of logics.

A Human Logic: The Formal Structure of Open-ended Classes

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My topic is about the formal structure of open-ended classes. The purpose of my researches on this topic is to reveal human's ignorance of about open-ended classes in a systematic way. In this lecture I focus on:

- Explain philosophical intuition underlying the basic semantics rules, i.e., truth function of connectives, of the logic systems of open-ended classes;
- Clarify the basic concepts and methodological principles for justification of these rules;
- Demonstrate the justification of truth functions of connectives.
- Introduce two predicate logic systems which are given recently.