

THE CRITERION OF DISTINCTION BETWEEN SCIENCE AND PSEUDOSCIENCE, BY KARL POPPER

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Abstract

The article refers mainly to Karl Popper's opinion about the sustainability of the bases of science in general and philosophy in particular, expressed in the book "Science: hypothesis and falsifiability". This opinion is not treated disconnected, but in historical and philosophical circumstances that were at the origin of it. At the outset the article addressed philosophical issues, that raised the representatives of the Vienna Circle, who aimed to clarify the foundations of human knowledge. In the first paragraph occupies a special place the interpretation that Popper makes about their opinion and the critical attitude towards their claims to eliminate metaphysics and to change the destination of philosophy, leaving only an analytical task. It is followed further in the third paragraph, with research and finding a method of scientific proceedings and a criterion by Karl Popper to set a demarcation line, or a line of separation between science and pseudoscience. In the fourth paragraph shall be required to explain how Popper refutes previous criteria, to make room for the hypothesis formulation and the use of the criterion of falsifiability as the only scientific criterion. The research question is: Should there be a criterion to differentiate science from pseudoscience? What is this criterion? The goal of the article is: the discussion about the criterion on how to distinguish between science and pseudoscience.

Keywords: *metaphysics, hypotheses, scientific criterion, pseudoscience, criterion of falsifiability*