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**E.A. Bezlepkina****REVISION OF MODELS OF A PHYSICAL THEORY**

The article revises and evaluates some models of a scientific theory, which are popular in philosophy of science. Models are classified by the number of describing levels (those are empirical, theoretical and metatheoretical ones), viz. as one-level, two-level and three-level models. We show that, in general, such models do not correspond to actual scientific activity. It is concluded that in order to be more consistent with scientific practice the theory should be made of two interrelated levels: a theoretical (model and mathematical) level and an operational one which largely corresponds to A.I. Lipkin's scientific theory model.

**Keywords:** levels of scientific knowledge; empirical level; theoretical level; metatheoretical level; model of a physical theory





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