

167.7

DOI:

10.15372/PS20180209

. .

?

**.I:**

,

: ; ; ;

**A.L. Simanov****WHETHER FUNDAMENTAL PHYSICS PHILOSOPHY?****Part I: PROBLEM STATEMENT**

Is justified by the views of the author, according to which explicitly philosophy plays a role in physics during the crisis of the old and the formation of a new physical picture of the world.

**Keywords:** philosophy; methodology; physics; theory

,

:

.

.

,

,

(

-

)

,

,

.









184] . . . [6, . . . 47-58], [7, . . . 182-

( [1; 2]. ),

(







,' .  
,' .  
-  
-  
-  
-  
,  
-  
-  
-  
,,  
-  
-  
-  
-  
,,  
-  
-  
-  
-  
»,  
-  
-  
-  
-  
,  
-  
-  
,,  
( ),  
-  
-  
-  
-  
[9].  
[10].

[5, с 6].

[4].

[3, . 228, 411–439].

[8, . 158].

«

»

( ,  
.)

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

, -

( , , . ).

, -

, -

, -

, -



1. . . . . - : , 1982.
2. . . . . - : " , 1969.
3. . . . . - : , 1963.
4. . . . . - : , 1963.
5. . . . . - : , 1965.
6. . . . . - : , 1968.
7. . . . . -
8. . . . . , . V. - : , 1976.
9. *Frank Ph.* Modern science and its philosophy. – N.-Y., 1955.
10. *Schlick M.* Causality in everyday life and in recent science readings in philosophical analysis. – N.-Y., 1949.

## References

1. *Blohintsev, D.I.* (1982). Prostranstvo i vremya v mikromire [Space and time in microcosm]. Moscow, Nauka. [In Russ.].

2. *Bogolyubov D.N., Logunov A.A., Todorov I.T.* (1969). Osnovy aksiomatičeskogo podhoda v kvantovoy teorii polya [The basics of the axiomatic approach in quantum field theory]. Moscow, Gosatomizdat. [In Russ.].
3. *Born, M.* (1963). Fizika v zhizni moego pokoleniya [Physics in My Generation]. Moscow, Nauka. [In Russ.].
4. *De Broglie, L.* (1963). Revolyutsiya v fizike [The Revolution in Physics]. Moscow, Gosatomizdat. [In Russ.].
5. *Plank, M.* (1965). Fizicheskie očerki [Physical essays]. Moscow, Nauka. [In Russ.].
6. *Feynman, R.* (1968) Harakter fizicheskikh zakonov [The character of physical law]. Moscow, Nauka. [In Russ.].
7. *Einstein, A.* (1976). Sobranie nauchnykh trudov. T. IV. [The Collection of Scientific Works. Vol. IV]. Moscow. [In Russ.].
8. *Einstein, A.* (1976). Sobranie nauchnykh trudov. T. IV. [The Collection of Scientific Works. Vol. V]. Moscow. [In Russ.].
9. *Frank Ph.* Modern science and its philosophy. –N.-Y., 1955.
10. *Schlick M.* Causality in everyday life and in recent science readings in philosophical analysis. –N.-Y., 1949

(630090, . . . 8, e-mail: als49@mail.ru)

#### **Information about the autor**

*Simanov Aleksander Leonidovich* – Doctor of Sciences (Philosophy), Professor, Institute of Philosophy and Law, Siberian Branch of the Russian Academy of Sciences (8 Nikolaeva str., Novosibirsk, 630090, Russia, e-mail: als49@mail.ru)

08.03.2018