

Currently, there are prerequisites for compiling a single picture of knowledge [Wojciechowicz, 2014]. World perception is a person's passive contemplation of the world at a phenomenal level in the form of emotionally colored sensations, perceptions, and perceptions [Salnikov, Sandulov, Gutseriev, Kalnoy, 2014]. One of the features of the modern understanding of worldview is the lack of a mathematical approach. Mathematical dimensions in philosophy can be drawn from a section as close to it as psychology.

One of the common psychological models is the three-factor personality theory G.Yu. Eysenck [Eysenck], who checked the independence of factors of extraversion, neurotism and psychotism.

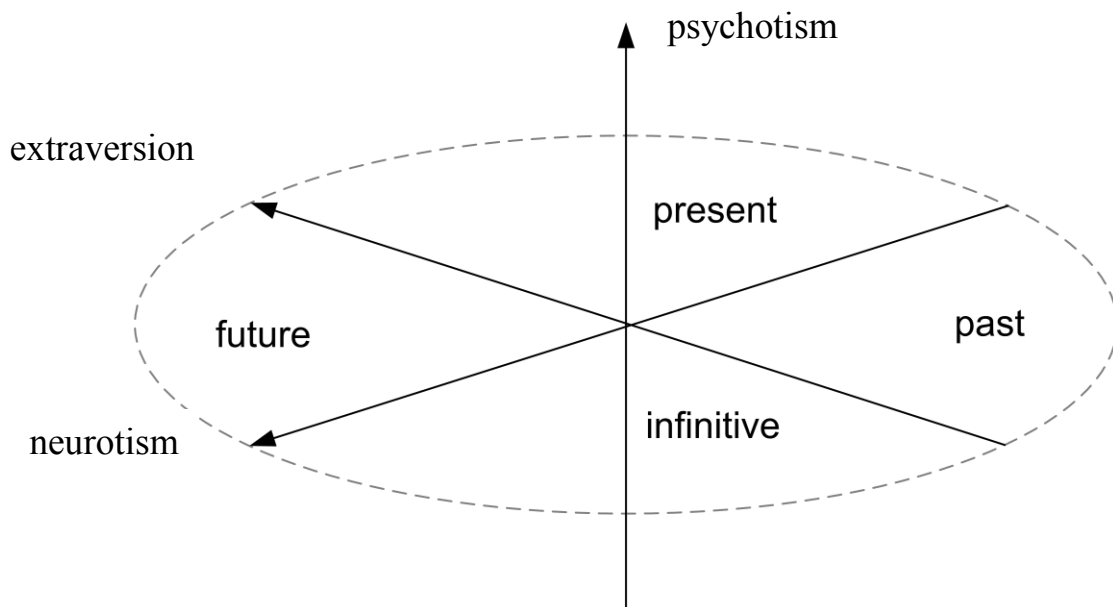


Fig. 1 Three-factor personality model.

In the horizontal plane, one can distinguish the components of the worldview: value-normative (indefinite), emotional-volitional (future), practical (present), analytical (past).

S-shaped curves play an important role in the development of nature and society. A technology life cycle has been proposed for technologies [Glazyev, 2018]. S-shaped curves play a significant role in technology [Karamyshev, 2008]. A similar form of changes in the evolution of society has also been identified [Zharov, 2009]. In economic theory, the function of reproduction is considered [Zang, 1999]

This article proposes a complication model in the form of a chain of S-shaped curves, each of which goes through four stages: preparation, development, stabilization, conservation. Difficulty periods are shown in fig. 2. The following explanation is proposed to highlight them:

- the preparatory stage is characterized by the needs of compensation of disturbances from the previous level;
- the development stage is associated with the appearance of positive feedback that stimulates development;
- the stabilization phase is associated with the appearance of negative feedback that limits development;
- the conservation phase is characterized by a stable existence, and is not included in separate groups of philosophical concepts.

The literature notes the existence of order between philosophical categories [Balashov, 1997]. To measure philosophical concepts, it is proposed to place them on a spherical surface. Moreover, it is assumed that the abstraction proposed by David Hume as a sequence of impressions and ideas [Gritsanov, 2002] increases from bottom to top. In this case, it is possible to distinguish regions on the abstractness scale [Borchikov, 2014].

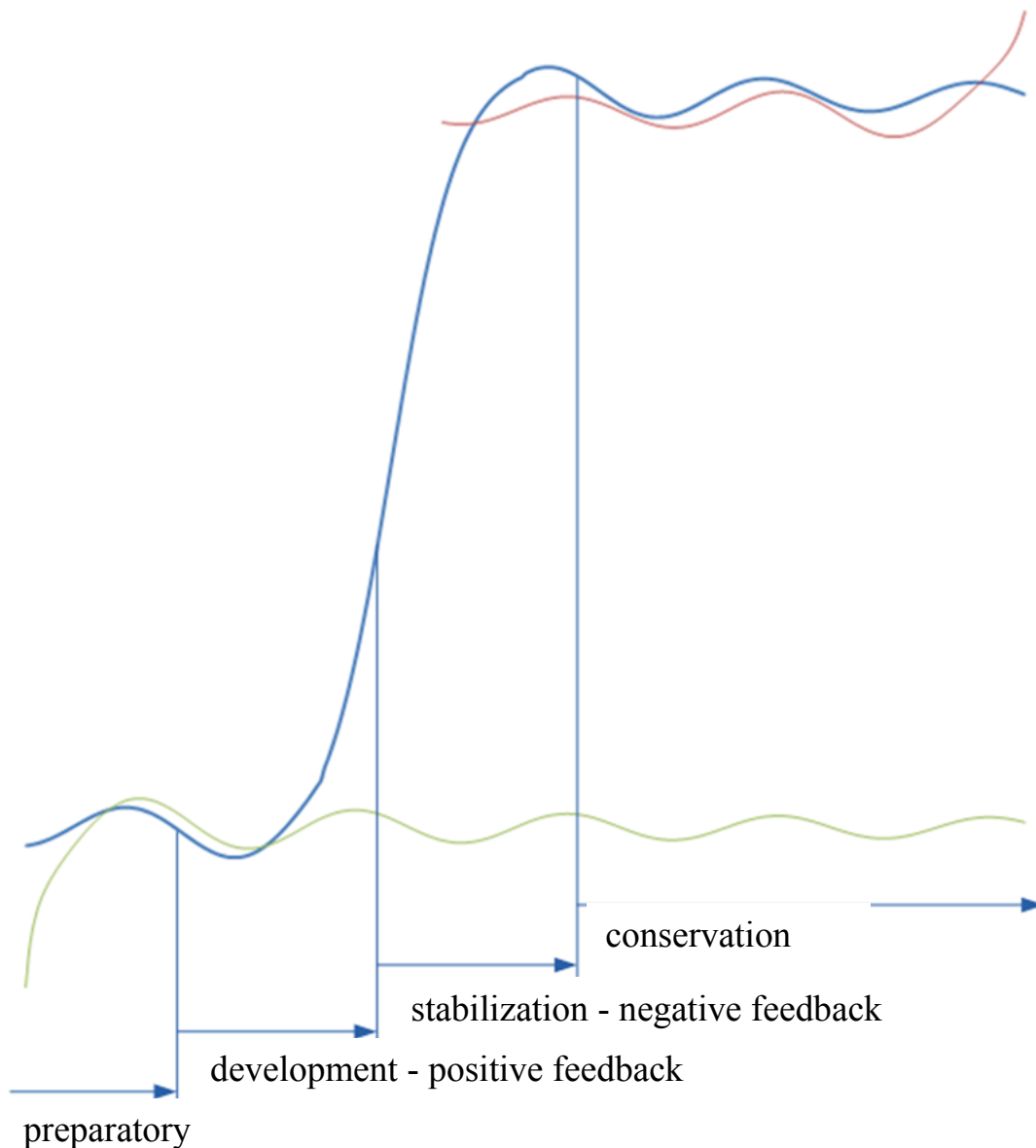


Fig. 2. Periods of complication

In order to avoid restrictions, it is assumed that the direction to the points located on the hyperboloid of revolution, which is described by the formula  $y = 1/x$ , is measured. Accordingly, the angle between the axis and direction is determined through the arctangent of the  $y/x$  ratio.

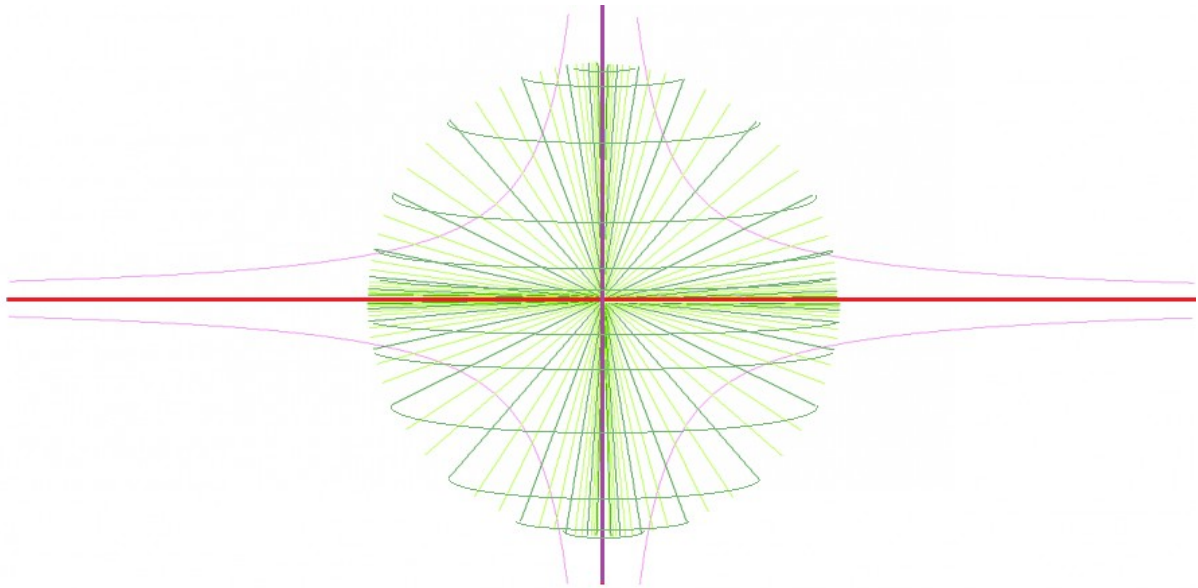


Fig. 3 Coordinate system for placing philosophical concepts.

This coordinate system supports the dualism of concepts proposed by Rene Descartes [Aleksieva, Tuzova, 2002]. The theoretical part is located in the upper part, and the vital-practical level in the lower part. The complexity of abstract and materialistic concepts increases from the edges to the center, as shown in Fig. 4.



## References

Wojciechowicz, 2014 - Wojcekhovich V.EH. Edinaya Kul'tura – attraktor ehvolyucii homo sapiens [United Culture is the attractor of the evolution of homo sapiens] URL: [http://allunity.ru/journals/J5/J5\\_2.pdf](http://allunity.ru/journals/J5/J5_2.pdf) (In Russian)

Sal'nikov, Sandulov, Guceriev, Kal'noj, 2014 - Sal'nikov V.P., Sandulov YU.A., Guceriev CH.S., Kal'noj I.I. Filosofiya dlya aspirantov: Uchebnik dlya ad'yunktov vysshih obrazovatel'nyh uchrezhdenij MVD Rossii. 2-e izd., stereotipnoe / Pod red. I.I.Kal'nogo [Philosophy for graduate students]– SPb.: Izdatel'stvo “Lan”, Sankt-Peterburgskij un-t MVD Rossii, 2001. – 512 p. – (Uchebniki dlya vuzov. Special'naya literatura) S.5. (In Russian)

URL: [https://en.wikipedia.org/wiki/Hans\\_Eysenck#Model\\_of\\_personality](https://en.wikipedia.org/wiki/Hans_Eysenck#Model_of_personality)

Glaz'ev, 2018 - Glaz'ev S.V. Ryvok v budushchee. Rossiya v novyh tekhnologicheskom i mirohozyajstvennom ukladah. («Kollekciya Izborskogo kluba») [Charge to the future. Russia in the new technological and world-wide structures.] M.: Knizhnyj mir. 2018 – 768 p. p. 47 (In Russian)

Karamyshev, 2008 Karamyshev S.V. Kuda vyvezet S-krivaya? [Where to take the S-curve?], 2008 URL: [www.metodolog.ru/01493/01493.html](http://www.metodolog.ru/01493/01493.html) (In Russian)

ZHarov, 2009 - ZHarov A. Budushchee. EHvolyuciya prodolzhaetsya [The Future. Evolution Continues], 2009 URL: [http://fan.lib.ru/z/zharow\\_a/evolution\\_continues.shtml](http://fan.lib.ru/z/zharow_a/evolution_continues.shtml)

Zhang V.-B. Sinergeticheskaya ehkonomika. Vremya i peremeny v nelinejnoj ehkonomicheskoy teorii [Synergetic Economics. Time and Change in Nonlinear Economics.]. – M.: Mir, 1999. – 335 p., p. 90 (In Russian)

Balashov L.E. Mir glazami filosofa. (Kategorial'naya kartina mira) [The world through the eyes of a philosopher. (Categorical picture of the world)]. 1997 URL: <http://balashov44.narod.ru/FIL-2/Mir.zip> (In Russian)

Gricanov A.A. Yum.Istoriya filosofii: EHnciklopediya. [Hume. History of philosophy. Encyclopedia] – Mn.:Interpresservis; Knizhnyj dom. 2002. – 1376 p. – (Mir ehnciklopedij). p. 1331 (In Russian)

Borchikov S.A. Vklad transcendental'noj filosofii (v tom chisle Kanta i S.L. Katrechko) v metafiziku na protourovne.[Contribution of transcendental philosophy (including Kant and S.L. Katrechko) in the metaphysics of the protolevel] URL: [http://allunity.ru/journals/J5/J5\\_3.pdf](http://allunity.ru/journals/J5/J5_3.pdf) (In Russian)

Alekseeva E.A., Tuzova T.M. Dekart. Istoriya filosofii: EHnciklopediya [Descartes. History of philosophy. Encyclopedia] – Mn.:Interpresservis; Knizhnyj dom. 2002. – 1376 p. – (Mir ehnciklopedij). p. 292 (In Russian)

Podorov A. A., Komandirov O. YU. Notaciya dlya modelirovaniya predpriyatiya [The notation for modeling the enterprise] URL: <http://it-ugtu.ru/1603/> (In Russian)

Podorov A.A. Tunnel'noe modelirovanie — versiya 0.9 [Tunnel similar modeling – version 0.9] URL: <https://habr.com/ru/post/259291/> (In Russian)

Podorov A.A. Tunnel'noe modelirovanie — versiya 1.0 [Tunnel similar modeling – version 1.0] URL: <https://habr.com/ru/post/414861/> (In Russian)