

## PHILOSOPHY

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### **The second scientific revolution and formation of science applied component. Research of formation circumstances of “technology science”**

In the course of the "second scientific revolution" (1772-1832), a "modern" science is being formed in the trinity of research, and academic applied components. Natural scientific "disciplinary" knowledge, regardless of the socio-cultural circumstances of its origin and application are considered. Technological knowledge is always associated with a socio-cultural context. The formation of the applied component of science is conditioned by the need to solve applied problems by technological applications of natural science, in particular, to ensure the continuity of the technological process and the requirements of the universality of the transfer of technical knowledge and skills to new generations. The beginning of "science of technology" is associated with the Enlightenment movement of modernization of the university and implemented by students of such a university.

Key words: science, the second scientific revolution, science of technology, applied component of science, technological knowledge.

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