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Discussions and their role in the development of geological sciences

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The paper provides a gnoseological analysis of discussions in geology, reveals their objective reasons, such as the complexity and enormous size of geological objects, multiple-factor geological phenomena, contradictions of the process of cognition, It is shown how the discussions facilitate the transition from one set of theories to the other. In the course of resolving the contradictions, that generate discussions, rise new contradictions, new areas of research and new complex problems that stimulate scientific progress.

Every stage of development of geology has its own peculiar discussions on certain problems.

This allows us to consider the discussions as a kind of “benchmarks” to help the periodization of history of geology

