

## **Development of a virtual research environment for modeling physical processes on the HybriLIT platform**

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The report presents the status of work on the joint project of LIT and BLTP on the creation of a virtual research environment for studying Josephson junctions with magnetic systems. The virtual research environment (VRE) is designed to provide research groups with convenient tools for carrying out the entire research cycle: from building models, setting model parameters, both physical and numerical algorithm parameters, performing resource-intensive calculations on the HybriLIT platform to analyzing the results. The necessity of the VRE development is related, first of all, to the need to combine data storage resources, computing resources and tools for visualizing and analyzing data for various research groups into a unified digital space.

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