

Information system for studying space weather parameters

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Studies of the Sun and solar-terrestrial relations are carried out by a significant number of both ground-based and space-based observational instruments, as a result, data on solar activity indices, geophysical disturbance indices, information on galactic cosmic rays are stored in different formats and different servers, which complicates the work with such data. The report presents the architecture of an information system for studying space weather parameters.

A client-server information system consists of three main components: server software; end-user software; and application software. With the help of this software, users establish communication with the server, form queries that are automatically generated into DBMS queries and sent to the server. The server is responsible for storing, modifying, selecting, and deleting data related to solving an application task, accepting and processing queries, and then transmitting the results to clients.

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