

An Investigation of the Fine Spatial Structure of Meteor Streams Using the Relational Database "Meteor"

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Abstract

We have restored and ordered the archive of meteor observations carried out with a meteor radar complex "KGU-M5" since 1986. A relational database has been formed under the control of the Database Management System (DBMS) Oracle 8. We also improved and tested a statistical method for studying the fine spatial structure of meteor streams with allowance for the specific features of application of the DBMS. Statistical analysis of the results of observations made it possible to obtain information about the substance distribution in the Quadrantid, Geminid, and Perseid meteor streams.

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