The Network Database on Physical-Chemical Properties of Metals and Alloys

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The network database on the properties of metals and inorganic materials is represented as a three-level program complex. The first level is a DBMS that realizes storage, providing of access, and data managements. The second level is a Web server (Apache and JavaWebServer), submitting data access through the Internet on HTTP protocol. The third connecting level contains programs to bond DBMS and the Web server, these programs are written in Java language, and mentioned earlier ASDExplorer. Now there are operating versions of each component of the information retrieval SYSTEM: the working model of a network DB, application packages, and the integrated sheath ASDE. Propsen IC will unit these two systems that will establish conditions for more efficient operation of each of them. In the future, new possibilities will be added, for example, multimedia representation of the information in a data base will be stipulated.

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