Description of Information Resources on Molecular Spectroscopy with the XML Platform Facilities.

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The work presents an overview of performed works devoted to classification of data on molecular spectroscopy. Data structures are described, which include the data on molecule, spectral line parameters and spectral functions. Data description is based on W3C recommendations.

The project of a distributed information system on molecular spectroscopy is described, where one of the main components are metadata and ontologies. Metadata preparation technique and an approach to developing the ontologies for molecular spectroscopy are shown.