

Updating of Software Package AS DRM with Reference to the Geo- and Heliophysical Data Processing

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Abstract: The paper deals with information computer technology of mathematical treatment of geo- and heliophysical time series, represented as package “Automated system for dynamic regression modeling”. The mathematical support of program system is a DRM-approach, which allows raising the order of mathematical models adequacy to observable data. Integrated into the system programming modules of cross-spectral analysis and Kalman filter, expanding the functional filling of AS DRM with the purpose of time series joint analysis and precision increase of their models prediction are described.