

Title:

DEAVI: A new tool to analyze Gaia and Herschel data.

Authors:

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Abstract:

The Gaia Added Value Interface Platform (GAVIP) was deployed in the European Space Astronomy Centre (ESAC) by the company Parameter Space Ltd to address the analysis of the enormous amount of data collected by the Gaia mission. Quasar Science Resources S.L. (QSR) presents a new software package for GAVIP, the Dynamic Evolution Added Value Interface (DEAVI). DEAVI allows to manage and analyze data from the Gaia and Herschel missions simultaneously. The main features of DEAVI are (1) Possibility of making queries to the official ESA Gaia and Herschel archives without leaving the application, (2) Possibility to execute scientific algorithms that make use of Gaia and Herschel data visualizing both the data and the results, (3) Complete file manager integrated in DEAVI and (4) Ability to communicate between the user and the application for the exchange of files. DEAVI has been developed for the "*StarFormMapper (SFM): A Gaia and Herschel Study of the Density Distribution and Evolution of Young Massive Star Clusters*" project, funded by the European Union under the Horizon 2020 programme.