Query

In Visual3D, Sift, and Inspect3D, a query is a way to select a subset of files or signals based on user-defined criteria.

Query Parameter in Visual3D

Several commands in Visual3D have the Query parameter, which allows users to select a subset of files based on data within the files. A query allows users to reference the data table to set a file as active. If the expression is true, that file will be set to active. If the expression is false, the file will not be set as active.

Expressions can be used as part of queries as they are found here.

Example:

```
Select_Active_File
/FILE_NAME=ALL_FILES
/QUERY=METRIC::PROCESSED::RKNEE_MAX::X > 70
;
```

The above will set any C3D files that the specified value is above 70. The value (METRIC::PROCESSED::RKNEE_MAX::X) must be previously created.

Queries in Inspect3D and Sift

Inspect3D and Sift use queries to select specific signals are from the current CMO Library. Queries correspond to groups and each query contains an arbitrary number (1-n) of Definitions, which correspond to the group's sub-groups. Signals in these sub-groups can be selected or not selected based on further refinements and time-normalized based on user-specified events. See Inspect3D's Group Definition dialog and Sift's Query builder dialog for more information.

It is possible to save Inspect3D and Sift queries to a .q3d file for easy reuse during future analysis.

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Last update: **2024/07/16 16:56**