Apollo

Project Explorer features

**confidential**

Revision number: 1

Date:

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# Goal

The goal for the Apollo Project Explorer is to provide the user with a stand-alone UI for the creation and exploration of Apollo projects.

# Features

1. Operations
   1. Global
      1. Create a new project
      2. Open
      3. Save
      4. Close
   2. On project
      1. New data set
      2. Open project in CAD
      3. Properties
   3. On data set
      1. Copy data set
      2. Open data set in CAD
      3. Lock
      4. Unlock
      5. Properties
2. Workflow
   1. CREATE NEW PROJECT
   2. OPEN PROJECT
   3. SAVE PROJECT
   4. ADD NEW DATA SET
   5. GENERATE SCRIPT
   6. SHOW DATA SET IN CAD

Ideas

* Allow setting of properties (not on geom)
* Allow dealing with variables / parameters
* Script creation
* Install components and add them to a data set
* Project goals; type + variables + tolerances / errors
* Undo / redo
* Data generation (running simulations, processing experimental data)
* Help system
* Configuration files
* Auto update
* Checks on file integrity?
* Indicate if data set was auto-created or user-created
* Run mode of data set (batch, directly, postponed etc.)
* State of data set (running, non-running, waiting, sleeping, loaded,m etc.)
* Copy-on-write state (copied but not written, partial write, complete write)
* Data sets in a data set (e.g. simulation, experiment etc.)
* Reset of data set
* Delete of data set
* Revert data set to save point
* Locking data set / unlocking data set
* Copy system generated data set
* Ability to check a file for loadability (i.e. if the current version of the explorer / CAD can actually load the file. Loading can fail because of version or missing components etc.)
* Auto-add missing components
* Scheduling of data sets
* Data set running info (time, memory etc.)
* Components per project / data set
* Feedback from running experiments