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1 General

Geometry transfer with I-DEAS Master Modeller.
Operating instructions are contained in the I-DEAS user manual.

2 Changes to preceeding version

2.1 Important changes preceeding last version

- Configuration of data transfer from I-DEAS Drafting Setup. Action to configure the data transfer instead of configuration file.

The data transfer can be configured using the action "ideas_config". This action substitutes the configuration file "ideas.config".

- Geometry transfer with I-DEAS Master Modeller
It's now possible to transfer geometry data via "I-DEAS Universal File".

2.2 Installation comments for communication with I-DEAS

2.2.1 Working with other releases of I-DEAS Master Series

As standard the communication with I-DEAS Master Series 6.0 is defined.
If there is a need to use the communication with an earlier release of I-DEAS Master Modeller, please contact your distributor or our Support Center.

We assume that you have already installed EUKLID Software products in the directory "/opt" and in particular EUKLID Design in the directory "/opt/konsys/euklid_design/<version>". This means that the license file is "/opt/str_sws/lic_konsys.dat".

1. Before starting I-DEAS some variables have to be set, i.e. Every user should set them in his startup file e.g. "\$HOME/.profile":
 #!/bin/ksh
 export SDRC_ENG=/opt/konsys/euklid_design/<version>
 export LM_LICENSE_FILE=/opt/str_sws/lic_konsys.dat

2. Using Security Level 3 may require the so-called s-bit of ideasadm for the executable. For example, AQL programs create files or operate with files which should have ideasadm access rights:

```
chown ideasadm #/d2.exe
chmod 6755 #/d2.exe
```

3. You have to create a start script for EUKLID Design:
Please log in as user "ideasadm". Create a file "\$SDRC_INSTL/bin/engine".
This new file should have access rights "755":

```
#!/bin/ksh
# set -x
#
# engine - the startup script for EUKLID Design
#
if test -z $LM_LICENSE_FILE
then
    echo "engine:\n"
    echo "EUKLID Design License File does not exist:"
    echo "LM_LICENSE_FILE = \"$LM_LICENSE_FILE"
    echo "Please set the Variable LM_LICENSE_FILE and try again"
    exit
fi
. $SDRC_INSTL/bin/setup_varbs
if test ! -d $SDRC_ENG
then
    echo "engine:\n"
    echo "EUKLID Design installation directory does not exist:"
    echo "SDRC_ENG = \"$SDRC_ENG"
    echo "Please set the Variable SDRC_ENG and try again"
    exit
fi
$SDRC_ENG/design/engine $*
```

4. Create a subdirectory "eng" in directory "\$SDRC_INSTL":
mkdir \$SDRC_INSTL/eng
chmod 755 \$SDRC_INSTL/eng
5. Copy directory "/opt/konsys/euklid_design/<version>/design" to directory "\$SDRC_INSTL/eng":
cp -r /opt/konsys/euklid_design/<version>/design \$SDRC_INSTL/eng/.
6. If you want to start EUKLID Design in I-DEAS, please remove the entries
"*COMMENTVARIANT " in the file "\$SDRC_INSTL/ideas/ideas.pdf".
7. Now your directory "\$SDRC_INSTL" should look like this:

```

--$SDRC_INSTL--+---ideas
.../ms6      |    ...
              +---bin
              |    |
              |    +---engine          // created just before
+---geo
|    ...
+---install
|    ...
+---eng          // created just before
|
+---design        // created just before
|
+---engine        // copied from <dir_1>
|
+---tools         // copied from <dir_1>
|
+---enginepdf.com
|                // copied from <dir_2>
+---engine_if.com
                // copied from <dir_2>

```

with: <dir_1> : /opt/konsys/euklid_design/<version>/design
 <dir_2> : /opt/konsys/euklid_design/<version>/design/tools

2.3 Plotting

Operating instructions are contained in the user manual "Exploring". Furthermore, please regard the following points:

2.3.1 Plotting with I-DEAS IPLOT

IPLOT offers drivers for HPGL, Calcomp and many other formats.
 IPLOT is not included in the standard delivery.

```

+-----+ +-----+ PostScript +-----+
| EUKLID Design |picture | IPLOT  | Color PostScript | Plotter |
|               |=====>|       |=====>| Drucker |
+-----+files  +-----+ HPGL   +-----+
                        HPGL2
                        CALCOMP
                        Generic

```

Please regard the further informations contained in the file #/doc/iplot.opt.

Note: With respect to the IPLOT interface there are great discrepancies to the preceeding version.