

Coupling: OptiY – CFX

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Interface **ASCII-File**
Experiment **OptiY\CAE Integration\CatiaAnsysIcemCfx\StaticMixer.opy**

Generate Pre and Post-Files in CFX

The whole working steps with CFX-Pre let be recorded into a script file (here: PreStaticMixer.pre) by the menu *Session*. The CFX-Pre generates a file for the solver (here: StaticMixer.def). After the solver has carried out the calculation, the CFX-Post can load the results being analyzed. The working steps of CFX-Post let also recorded into a script file (here: PostStaticMixer.cse) by the menu *Session*. The results being investigated must be exported into an ASCII-output-file (here: OutStaticMixer.txt).

Setting in OptiY

The generated Pre- and Post-Files are embedded in OptiY as ASCII-Input-File. Extern Scripts (DOS-Batch) performing the simulation contains following codes:

CFX-Pre: the script-file is loading.

```
PATH C:\Programme\Ansys Inc\v110\CFX\bin  
cfx5pre -batch PreStaticMixer.pre
```

CFX-Solve: the old results files are deleted and the solver-file is loading.

```
del StaticMixer_001.*  
del StaticMixer.igs  
PATH C:\Programme\Ansys Inc\v110\CFX\bin  
cfx5solve -def StaticMixer.def
```

CFX-Post: the old ASCII-output-file is deleted and the script file is loading.

```
del outstaticmixer.txt  
PATH C:\Programme\Ansys Inc\v110\CFX\bin  
cfx5post -batch PostStaticMixer.cse
```

Please pay attention to the correct path of CFX.