

Coupling: OptiY - ANSYS

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Interface **ASCII-File**
Experiment **OptiY\CAE Integration\ANSYS\tf.opy**

Generate Script-File in ANSYS

The ANSYS model must be existed as script-File. The working procedures with GUI let keep as log-file, from which the script file (here tf.inp) can be gotten and edited. All required parameters have to be defined at beginning if the script:

da = 215.
di = 175.
t = 4.2
st = 0.25

All numbers of the script have to be replaced by according parameters. After simulation, the results being investigated (here: fehlerquadratsumme) have to be calculated and saved to extern ASCII-File (here: fehlerquadratsumme.dat)

```
/OUTPUT,fehlerquadratsumme,dat  
*MSG,INFO,fehlerquadrat  
fehlerquadratsumme = %12.3e  
/OUTPUT
```

Setting in OptiY

The generated script file is embedded in OptiY as ASCII-Input-File. Extern Script (DOS-Batch) performing simulation contains the following code:

```
"C:\Program Files\Ansys Inc\v100\ANSYS\bin\intel\ansys100.exe" -b -i tf.inp -o tf.out
```

The ANSYS Version 10.0 is given above. Please pay attention to the correct version and path of ANSYS.