user_fn_5_3.xbe

Attributes

```
xbe name=user_fn_5_3 evaluate=yes
Jacobian: constant
input_vars: x1 x2 x3 x4 x5
output_vars: y1 y2 y3
aux_vars:
iparms:
+   iprm1=0
+   iprm2=0
+   index_fn=1
sparms:
rparms:
+   rprm1=0
+   rprm2=0
+   rprm3=0
+   rprm4=0
+   rprm5=0
+   rprm6=0
+   rprm7=0
+   rprm8=0
+   rprm9=0
+   rprm10=0
stparms:
igparms:
outparms: y1 y2 y3
```

Description

user_fn_m_n.xbe provides a facility for the user to create a new function with m inputs and n outputs. Up to two integer parameters (iprm1 and iprm2) and up to ten real parameters (rprm1 to rprm10) can be used. The integer parameter index_fn is passed on to the routine user_function as index_fn. This parameter determines which function in user_f.cpp corresponds to the element in question.

To define a new function, the following steps need to be performed;

1. Edit user_f.cpp (located in the directory ˜/gseim_gui/gseim/cppsrc to include the new function.

2. Execute the compile/link steps given in the installation instructions.