Attributes

```
xbe name=user_fn_3_1 evaluate=yes
Jacobian: constant
input_vars: x1 x2 x3
output_vars: y1
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
```

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.