

sum_3.xbe

Attributes

```
xbe name=sum_3 evaluate=yes
# y = k1*x1 + k2*x2 + k3*x3
Jacobian: constant
input_vars: x1 x2 x3
output_vars: y
aux_vars:
iparms:
sparms:
rparms:
+ k1=1 k2=1 k3=1
stparms:
igparms:
outparms: x1 x2 x3 y
```

Description

sum_3.xbe is used to get a weighted sum of the inputs x_1 , x_2 , x_3 . The output is given by

$$y = \sum_{i=1}^3 k_i x_i. \quad (1)$$