

atan2_rad.xbe

Attributes

```
xbe name=atan2_rad evaluate=yes
Jacobian: variable
input_vars: x y
output_vars: theta
aux_vars:
iparms:
sparms:
rparms:
stparms:
igparms:
outparms: x y theta
```

Description

atan2_rad.xbe is used to get $\theta = \tan^{-1}(y/x)$ (in radians). It uses the C function atan2 and gives theta in the range $-\pi < \theta < \pi$. x, y, theta are made available as output variables.