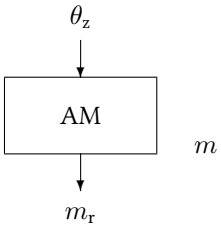
Block AM

The AM block calculates the relative air mass.





Name	AM
Function	em0025
Inputs	1
Outputs	1
Parameters	0 . . . [1]
Strings	0
Group	S

Inputs

1 Zenith angle θ_z in degrees

Outputs

1 Relative air mass m_r

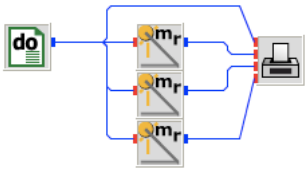
Parameters

1 Model
- 0 Just $\cos \theta_z$
- 1 Kasten 1966
- 2 Kasten 1993

Strings

None

am.vseit



A DO block delivers zenith angles between zero and 85 degrees in steps of one. Three AM blocks calculate the air mass for the three available models.

The PLOT block shows that there is hardly any difference to detect between the three model equations.

