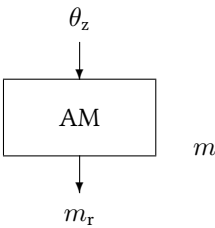


Block AM

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

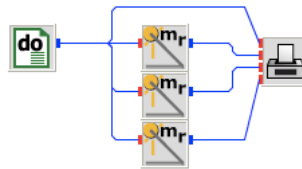
Parameters

- 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.

