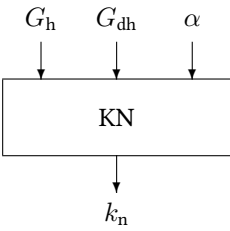


Block KN

The KN block calculates the nebulosity index.



Name	KN
Function	em0030
Inputs	3
Outputs	1
Parameters	0
Strings	0
Group	S

Inputs

- 1

Global radiation horizontal / W m^{-2}
- 2

Diffuse radiation horizontal / W m^{-2}
- 3

Elevation / $^{\circ}$

Outputs

- 1

Nebulosity index k_n

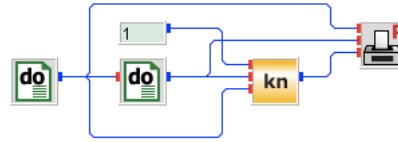
Parameters

None

Strings

None

kn.vseit



Two nested `DO` blocks vary the elevation of the Sun between zero and 90 degrees in steps of ten (outer `DO` block) and a normalised diffuse radiation between zero and one. The global irradiance is normalised to one, too. The `KN` calculates the nebulosity indices, which are displayed by a `PLOTP` block.

