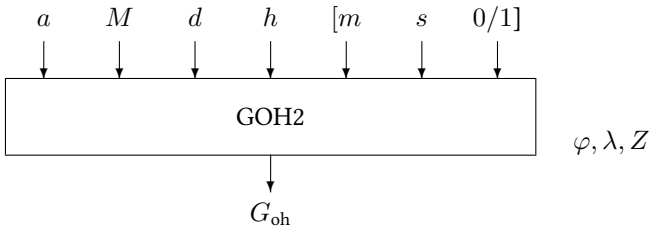
Block GOH2

The GOH2 block returns the radiation outside atmosphere on a horizontal surface.

Internally, it simply calls GOH which uses an old convention for timezone and longitude.





Name	GOH2
Function	em0112
Inputs	4 . . . [7]
Outputs	1
Parameters	3
Strings	0
Group	S

Inputs

1	Year a (for example 2021)
2	Month $M \in [1, 12]$
3	Day $d \in [1, 31]$
4	Hour $h \in [0, 23]$
5	Minute $m \in [0, 59]$
6	Second $s \in [0, 60)$
7	Daylight saving time (0 no, 1 yes)

Outputs

1	Radiation outside the atmosphere on a horizontal surface G_{oh} / W m^{-2}

Parameters

1	Latitude $\varphi \in [-90°, +90°]$, northern hemisphere positive
2	Longitude $\lambda \in [-180°, 180°]$, Greenwich $= 0°$, west positive
3	UTC Time zone $Z \in [-12, 12]$, e. g., Central European Time: $Z = +1$

Strings

None