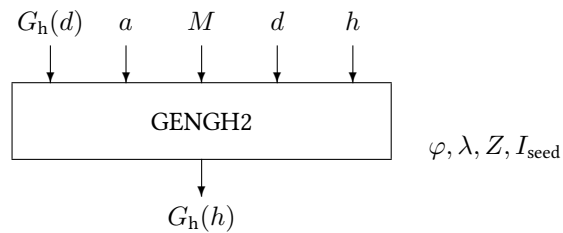


Block GENGH2

The GENGH2 block generates a series of hourly global radiation data from daily mean values.

Internally, it simply calls [GENGH](#) which uses an old convention for timezone and longitude.



Name	GENGH2
Function	em0117
Inputs	5 ... [6]
Outputs	1
Parameters	4
Strings	0
Group	S

Inputs

- 1 Daily mean value $G_h(d)$ / W m^{-2} of global radiation on a horizontal plane
- 2 Year a
- 3 Month $M \in [1, 12]$
- 4 Day $d \in [1, 31]$
- 5 Hour $h \in [0, 23]$
- 6 Minute $m \in [0, 59]$

Outputs

- 1 Hourly mean value $G_h(h)$ / W m^{-2} of global radiation on a horizontal plane. When input six is connected, GENGH2 performs a linear interpolation between the two corresponding hours.

Parameters

- 1 Latitude $\varphi \in [-90^\circ, +90^\circ]$, northern hemisphere positive
- 2 Longitude $\lambda \in [-180^\circ, 180^\circ)$, **east of Greenwich**; values west of Greenwich may be used with a minus sign

- 3 UTC Time zone $Z \in [-12, 12]$, Greenwich Mean Time $Z = 0$, Central European Time $Z = +1$.
- 4 Initialization I_{seed} of random number generator

Strings

None
