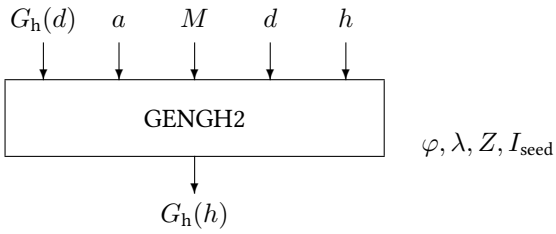
Block GENGH2

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 $G_\mathrm{h}(d)$ / 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 $G_\mathrm{h}(h)$ / 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 $\varphi \in [-90°, +90°]$, northern hemisphere positive
2 Longitude $\lambda \in [-180°, 180°)$, **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 0 for a different random sequence at each run
Strings		
		None