## Block CUMP

The CUMP block cumulates its input signal over a number of steps as defined through its parameter.




| | |
|---|---|
| **Name** | CUMP |
| **Function** | fb0020 |
| **Inputs** | 1 . . . [50] |
| **Outputs** | 1 . . . [50] |
| **Parameters** | 1 |
| **Strings** | 0 |
| **Group** | I |

### Inputs

| | |
|---|---|
| i | Any signal $x_i$ |

### Outputs

| | |
|---|---|
| i | Cumulated sum $s_i$ of $x_i$ over $p$ calls |

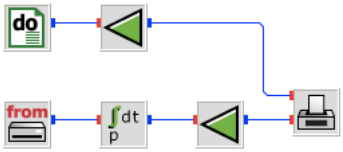
### Parameters

| | |
|---|---|
| 1 | Number $p$ of steps to cumulate the input $x_i$ |

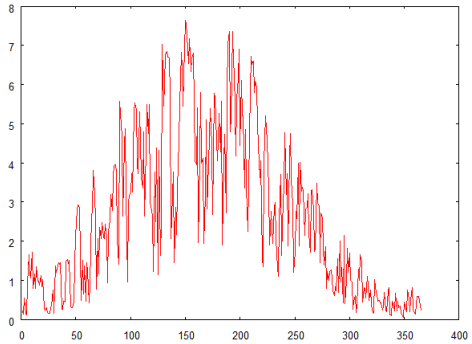
### Strings

None

cump.vseit




A DO block runs through all 8760 hours of a year. The READ block reads radiation data from a data file in W/m$^2$. The CUMP block cumulates the data over the day. An ATT block converts the result into kWh/m$^2$. Finally, the PLOT block displays the time series of daily radiation data.




See also Blocks CUM, CUMC.