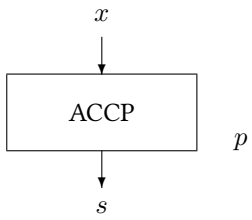
Block ACCP

The ACCP block calculates the sample autocorrelation coefficient at a given lag over a number of steps as defined through a parameter.



Name	ACCP
Function	fb0067
Inputs	1
Outputs	1
Parameters	1 . . . [2]
Strings	0
Group	I

Inputs

1 Any signal x

Outputs

1 Autocorrelation coefficient r_k over p calls.

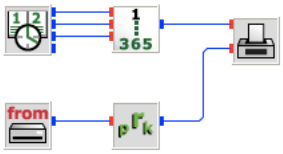
Parameters

1 Number of steps p
2 Lag k (default $k = 1$)

Strings

None

accp.vseit



The calculation of the daily auto-correlation coefficients is similar to the examples for the ACC block and the ACCC block. Again, the same time series is used. The READ block is driven by a CLOCK block which delivers the year, month, day and hour in one-hour resolution.

The dates are converted into the day of the year by the DOY block as convenient x-axis for the PLOT block, which displays the time series of the hourly auto-correlation coefficients as calculated by the ACCP block.

