Block FPARAP

The F90P block calculates the radiation shape factor of two parallel displaced rectangles without a common edge.



FPARAP

Name	FPARAP
Function	bs0019
Inputs	0
Outputs	2
Parameters	9
Strings	0
Group	C

Inputs

None

Outputs

1 Radiation shape factor $F_{1\to2}$
2 Radiation shape factor $F_{2\to1}$

Parameters

1 x-coordinate displacement x_1 of area 1 (sender)
2 x_2 coordinate of area 1 (width $+x_1$)
3 y-coordinate displacement y_1 of area 1 (sender)
4 y_2 coordinate of area 1 (depth $+y_1$)
5 x-coordinate displacement x_1 of area 2 (receiver)
6 x_2 coordinate of area 2 (width $+x_1$)
7 y-coordinate displacement η_1 of area 2 (receiver)
8 η_2 coordinate of area 2 (depth $+\eta_1$)
9 Distance z between the parallel planes

Strings

None