Block TROUGH

The TROUGH block...



DUMMY

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Inputs

1 Beam radiation onto aperture Gb (W/m^2)
2 Diffuse radiation onto aperture Gd (W/m^2)
3 Collector azimuth γ (°)
4 Collector tilt angle β (°)
5 Solar azimuth ψ (°)
6 Solar elevation α (°)

Outputs

1 Concentrated radiation (W/m^2)
2 Intercept factor

Parameters

1 Area of aperture / m^2
2 Width of aperture / m
3 Area of receiverm / m^2
4 Width of receiver / m
5 Reflectivity of mirrors
6 Rim angle / degrees

Strings

None