

Block TROUGH

The TROUGH block...



DUMMY

Name	TROUGH
Function	pp0002
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Inputs

- 1 Beam radiation onto aperture G_b (W/m²)
- 2 Diffuse radiation onto aperture G_d (W/m²)
- 3 Collector azimuth γ (°)
- 4 Collector tilt angle β (°)
- 5 Solar azimuth ψ (°)
- 6 Solar elevation α (°)

Outputs

- 1 Concentrated radiation (W/m²)
- 2 Intercept factor

Parameters

- 1 Area of aperture / m²
- 2 Width of aperture / m
- 3 Area of receiver / m²
- 4 Width of receiver / m
- 5 Reflectivity of mirrors
- 6 Rim angle / degrees

Strings

None
