

## Near Shadings definition

**Near Shadings :** New shading scene  
**Project :** Isfahan Uni

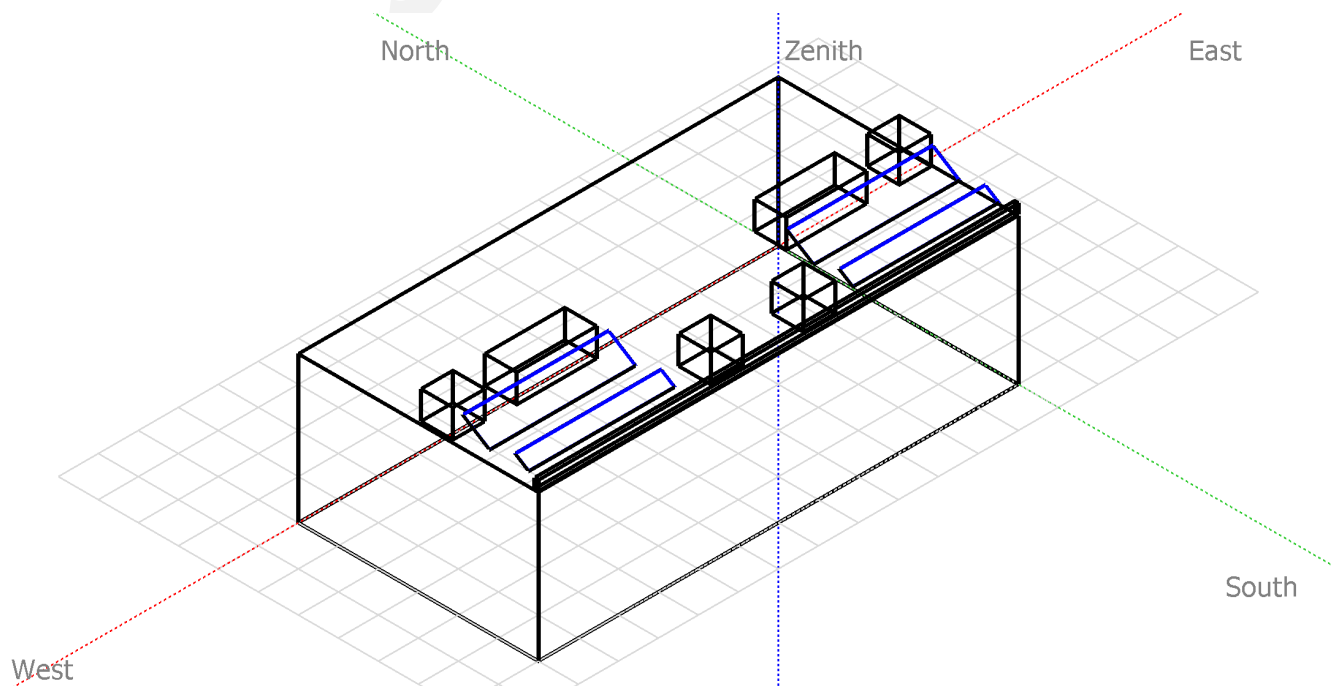
**Geographical Site** Isfahan University **Country** Iran

**Defined active PV fields**

Table Row#3 Col#1	area	216 m <sup>2</sup>
Table Row#2 Col#1	area	216 m <sup>2</sup>
Table Row#1 Col#1	area	216 m <sup>2</sup>
Table Row#1 Col#2	area	216 m <sup>2</sup>

Orientation: Tilt 32° Azimuth 0°  
Constant shading factors Diffuse Factor 0.022 Albedo Factor 0.328

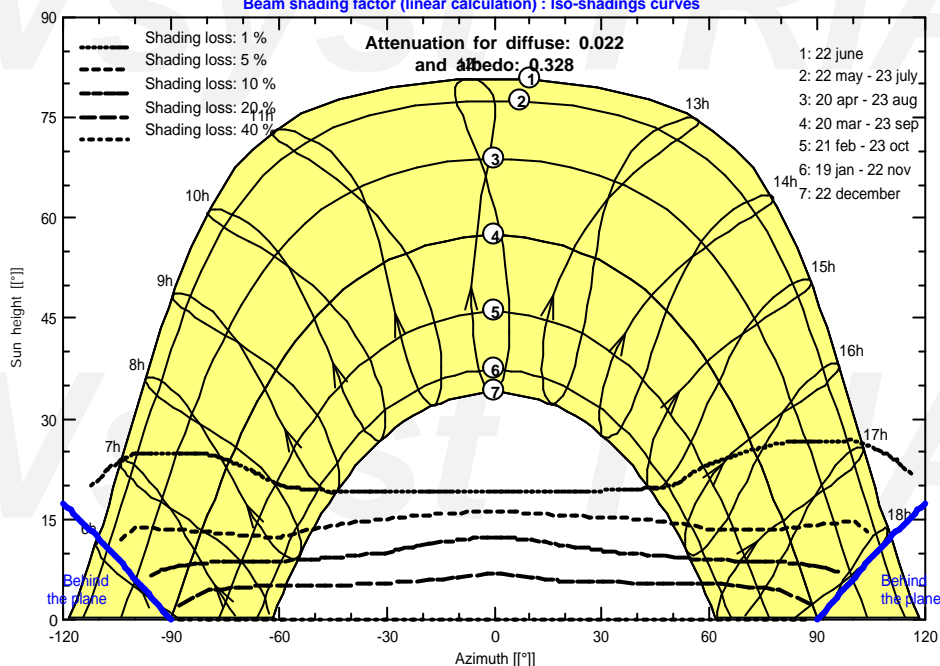
### Perspective of the PV-field and surrounding shading scene



### Iso-shadings diagram

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Beam shading factor (linear calculation) : Iso-shadings curves



Near Shadings definition

Shading factor table (linear), for the beam component, Orient. #1

Azimuth	-180°	-160°	-140°	-120°	-100°	-80°	-60°	-40°	-20°	0°	20°	40°	60°	80°	100°	120°	140°	160°	180°
Height																			
90°	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80°	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70°	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60°	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50°	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40°	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30°	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.004	0.002	0.000	0.000	0.000
20°	Behind	Behind	0.000	0.004	0.018	0.018	0.010	0.002	0.000	0.000	0.000	0.005	0.014	0.021	0.022	0.009	0.000	Behind	Behind
10°	Behind	Behind	Behind	0.008	0.070	0.065	0.061	0.088	0.113	0.133	0.112	0.095	0.069	0.066	0.075	0.017	Behind	Behind	Behind
2°	Behind	Behind	Behind	Behind	0.122	0.302	0.350	0.320	0.318	0.345	0.316	0.327	0.355	0.305	0.128	Behind	Behind	Behind	Behind

Shading factor for diffuse: 0.022 and for albedo: 0.328