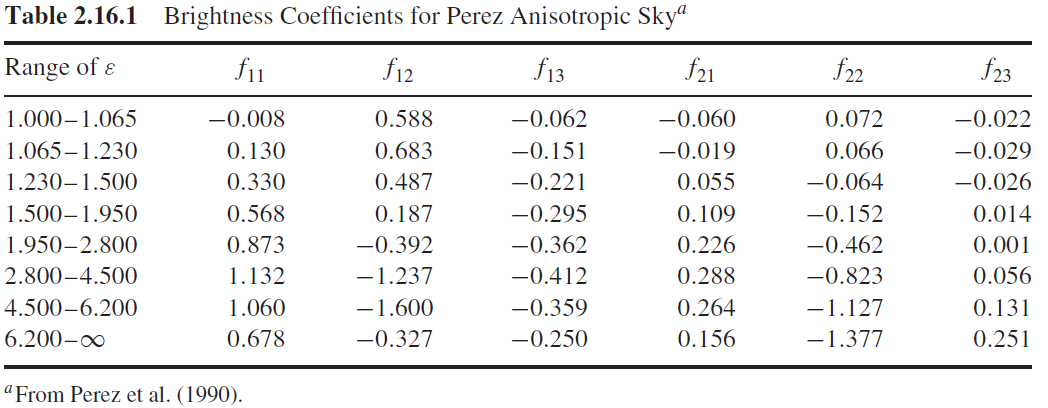
Anisotropic Perez model with terms: Beam, isotropic diffuse, circumsolar diffuse, horizon diffuse, ground reflection

Where:

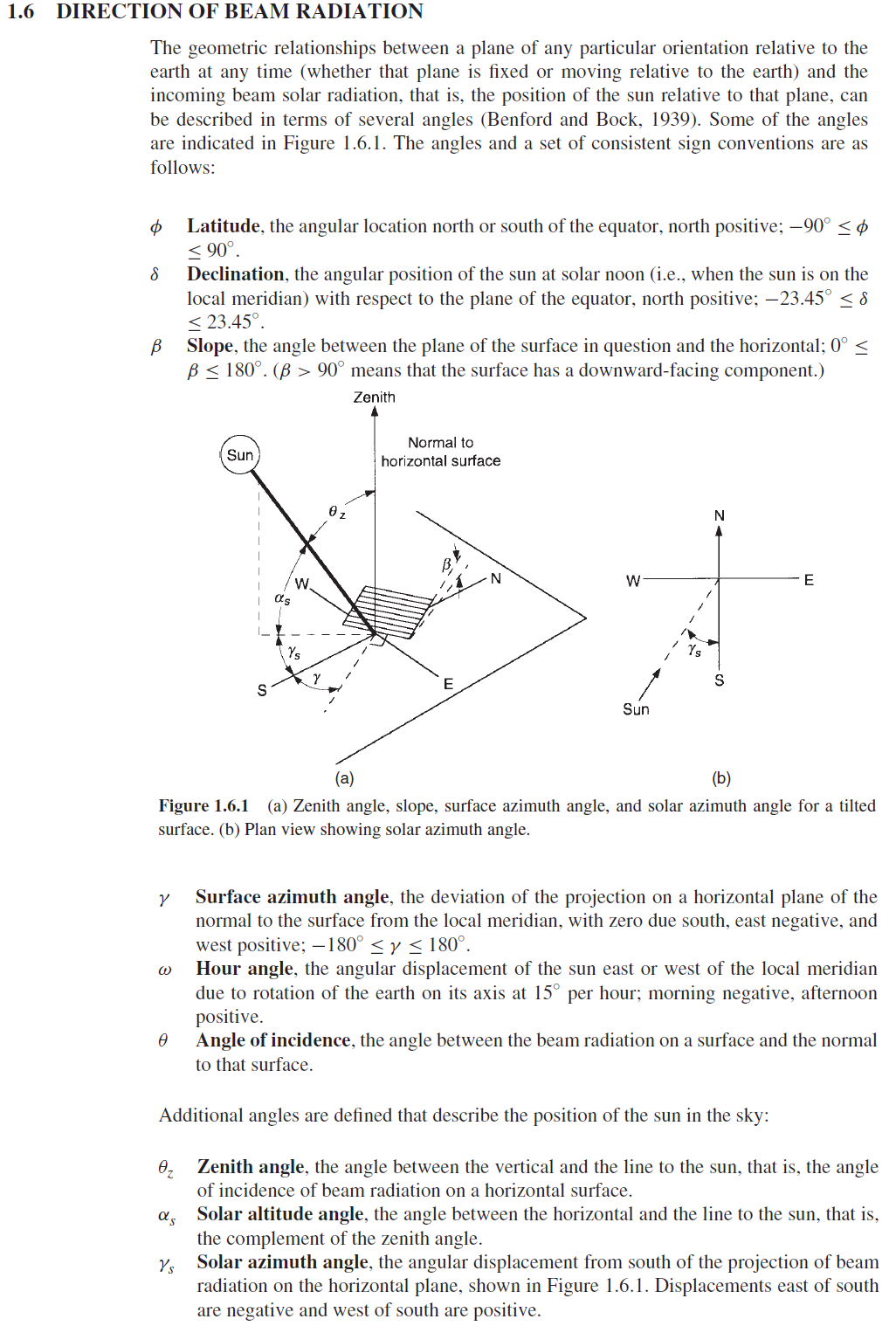
* v
* v
* v
* v
* v
* v
* [1.6.3]v

And:

* = beam component radiation
* = diffuse component radiation
* = total radiation\*
* = ground reflection component (depends on state of ground, snow ~ 0.7 normal ~0.2-0.3)
* = Extraterrestial radiation incident on horizontal plane\*
* = air mass ratio, the ratio between and current \*
* = angle between beam and normal to surface\*
* = zenith angle \*
* = angle between plane in question and horizontal surface.
* = deviation from local meridian
* = solar azimuth angle\*



\*Methods are supplied within Pysolar to calculate indicated variables.



Standard

0 , 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

0.7, 0.7,0.4, 0.2, 0.2, 0.2, 0.2, 0.2, 0.2, 0.4, 0.7,