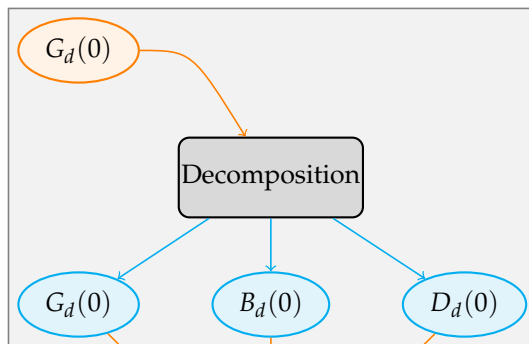


1

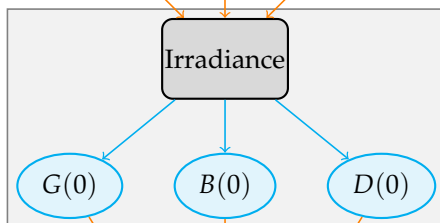


method

Equations for decomposition

 $K_{Td}$  clearness index $F_{Dd}$  diffuse fraction

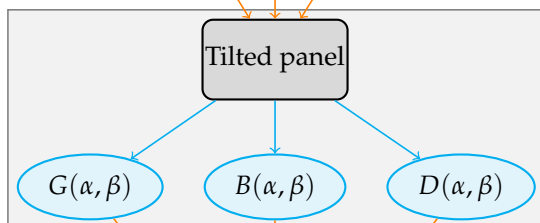
2



Equations for irradiance

 $r_D$ : ratio for diffuse component $r_G$ : ratio for global irradiance

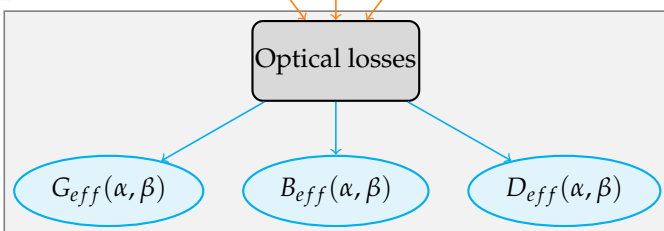
3



Equations for tilted plane

 $B$ : geometrical criteria $D$ : anisotropic model

4



Equations for optical losses

Angle of incidence

Dust over the panel