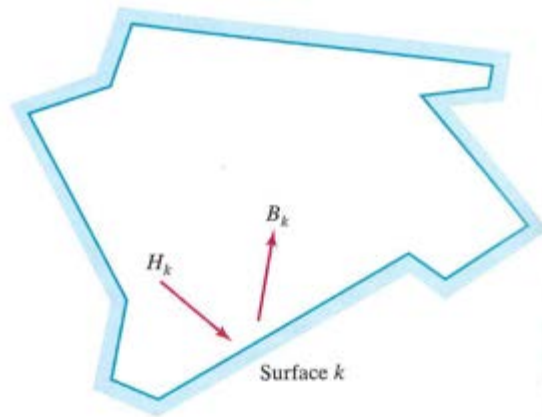# Radiosity (introduction)

Model

- First developed in radiative heat transfer to account for heat transfer between elements in furnaces or on a spacecraft

- Uses the analogy of heat transfer and light energy transfer

- Calculates what occurs when transfer is at equilibrium

Effects created by higher order diffuse reflection

- Advantages:

  1. Accounts for all orders of diffuse reflection

  2. Can remove the ambient term from the shading model as it models exactly what is ambient reflection

- Limitation: Does not model specular reflection

Figure from A.Watt, 3D Computer Graphics, 2nd Ed. 1993

Further Readings

- Text, Ch. 21-2