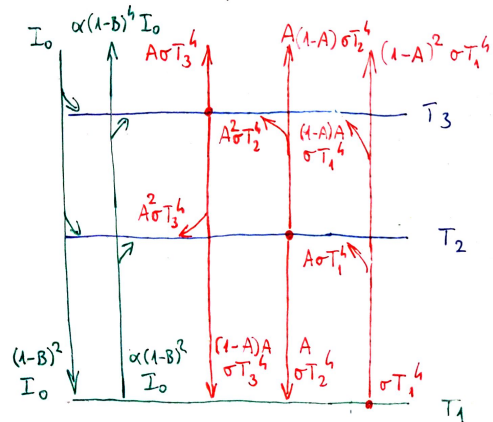


UNEQUAL RADIATION CONTROVERSY

Consider atmospheric model with 2 layers.



NET OUTWARDS FROM ATM. R_\uparrow
 $A\sigma(T_3^4 + (1-A)T_2^4)$

Kirchhoff's law of thermal radiation:
 emissivity = absorptivity A
 in thermodynamic equilibrium

NET INWARDS FROM ATM. R_\downarrow
 $A\sigma((1-A)T_3^4 + T_2^4)$

$$R_\downarrow - R_\uparrow = A^2\sigma(T_2^4 - T_3^4) > 0$$