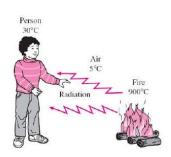
## Week4- Maryam hajhashemi

U total = u wood \*A wood/A total +U ins \*A ins/A total=

1/R wood\* 0.25+1/R ins \*0.75 =1/1.109\*025+ ¼.007 \*0.75 =0.412

Q total =0.412/1000 \*100 \*2.4 =988.8

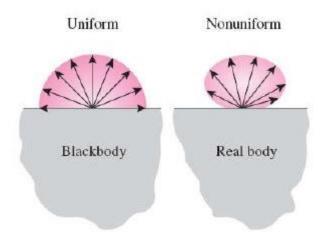


Radiation is a way of heat transferring. it is a form of energy transferring with electromagnetic waves with light speed

Electromagnetic radiation depends to waves

$$\lambda = \frac{c}{\nu}$$

There is a surface with a name of blackbody that absorbs all energy



The highest temperature the lowest wave length. there is relation between frequency and temperature.

