Week 5- Maryam hajhashemi

Task 1 In you own words (which means in your own words) write a summary of the topics about radiative heat transfer we went through including the definitions of emissivity, absorptivity and reflectivity, the view factor, the heat exchange betweeen two black surfaces,the heat exchange between the two gray surface and finally the definition of radiative resistances

Irradiation incidental radiation that affects bodies

Radiosity the emissive power and the reflected irradiation

Emissivity how much radiation emitted by object

Absorbtivity the amount of energy which absorb

Reflectivity the amount of energy which reflect

Transmissivity the amount of energy which transmitted

Radiation heat transfer of black body view factor = emissivity

Radiation heat transfer of gray body reflected radiation- emited rediation

Task 2 Solve the last example you solved in the class (radiative heat exchange between two parallel plates) awhile considering the two emissivities to be 0.1, what can you conclude from the result?