Lecture Notes:

Transport Phenomena in Materials Engineering

Spring 2013

BSc Course

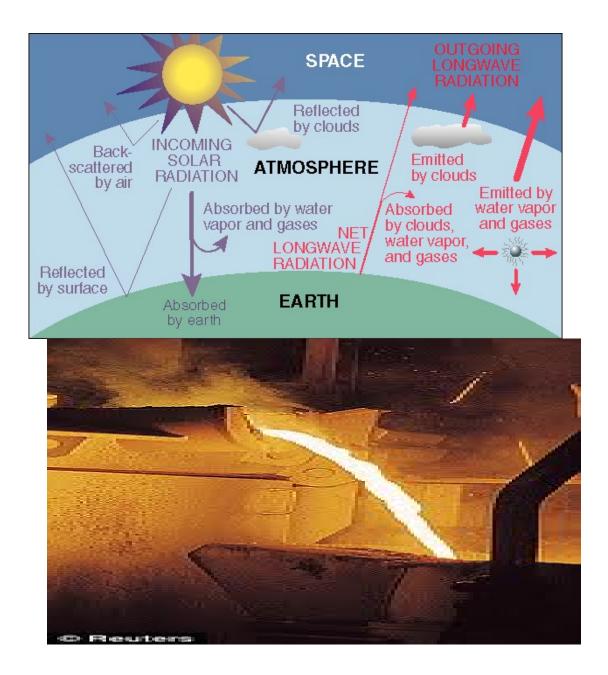
Titles:

- Conduction
- Convection
- Radiation
- Diffusion
- Viscosity
- Continuity Equation
- Velocity Distribution
- Navier Stokes Equation
- Applications of Transport Phenomena in Materials Systems

References:

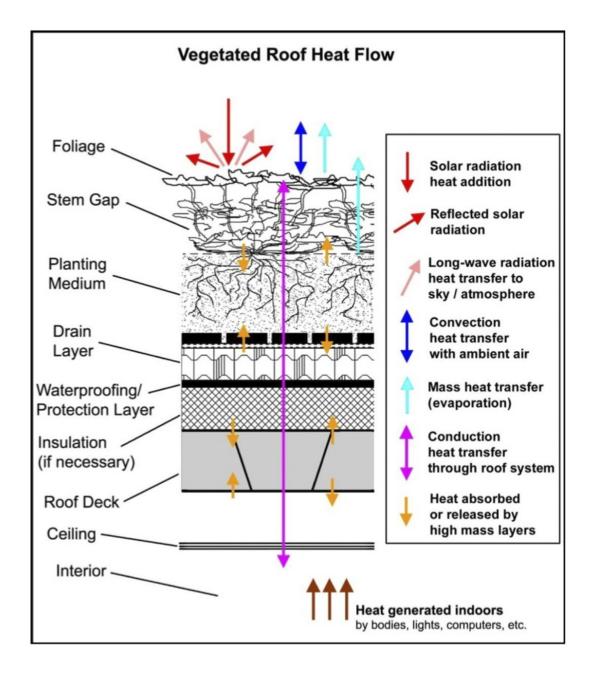
- 1. D.R. Gaskell, "Introduction to Transport Phenomena in Materials Engineering", Prentice Hall, (1991), ISBN 978-0023407208.
- 2. S.K. Sadrnezhaad and A. Kermanpur, "Fuel and Energy", Sharif University Press, (2007), ISBN 964-6379-72-9.
- 3. D.R. Poirier and G. H. Geiger, "Transport Phenomena in Materials Processing", Minerals, Metals, & Materials Society, (1998), ISBN 978-0873392723.

1- Radiation

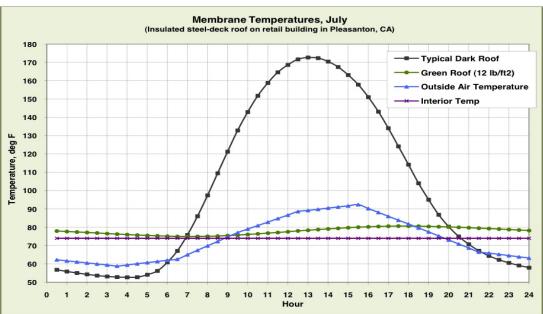


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2- Green Roof







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