

Numerical Answers

3A6 – Heat and Mass Transfer, 2011

2) c)(i)

$$\begin{array}{lll} F_{11} = 0 & F_{12} = 0.4 & F_{13} = 0.6 \\ F_{21} = 0.05 & F_{22} = 0.9 & F_{23} = 0.05 \\ F_{31} = 0.6 & F_{32} = 0.4 & F_{33} = 0 \end{array}$$

$$E_{b1} = E_{b2} = 5.67E04 \text{ W/m}^2, \quad E_{b3} = 4.593E02 \text{ W/m}^2$$

4) d) 1 m

N. Swaminathan

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