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Heat transfer by convection is given by Newton's law of cooling.  $Q = h A (T_s - T_\infty)$  Where A- Area exposed to heat transfer in  $\text{m}^2$ . h- Heat transfer coefficient in  $\text{W/m}^2 \text{K}$ .  $T_s$ - Temperature of the surface and fluid in K. 8. What is meant by lumped heat analysis?

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