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The heat transfer can be expressed as (4.1.6) Here, r_1 and r_2 represent the radii of annular section. A thermal resistance for this case is as shown below. (4.1.7) The Overall Heat Transfer Coefficient The overall heat transfer coefficient concept is valuable in several aspects of heat transfer. It involves

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Day, Jerod. Laminar natural convection from isothermal vertical cylinders. Master of Science (Mechanical and Energy Engineering), August 2012, 40 pp., 19 figures, 25 numbered references. Laminar natural convection heat transfer from the vertical surface of a cylinder is a classical subject, which has been studied extensively.

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