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McGrawHill, New York. Extended

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Exchangers and ... Kays and London

(1958) provided experimental

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and presented test data on finned circular tubes. Kern and Kraus (1972), among others, have presented fin efficiency curves for heat transfer from circumferential fins. A characteristic correlation for heat transfer over ... Consider a parallel-flow heat exchanger, which is used to cool oil from  $70^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  using water available at  $30^{\circ}\text{C}$ . The outlet temperature of the water is  $36^{\circ}\text{C}$ . The rate of flow of oil is  $1\text{ kg/s}$ . The specific heat of the oil is  $2.2\text{ kJ/kg K}$ . The overall heat transfer coefficient  $U = 200\text{ W/m}^2\text{ K}$ . Calculate the logarithmic mean temperature difference. What is Logarithmic Mean Temperature Difference - LMTD ... Finned surfaces have enhanced heat transfer mechanism between the primary surface and its surrounding

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medium. Kern and Kraus made an extensive review on this issue. Aziz and Hug obtained a closed form solution for a straight convective fin with variable thermal conductivity using regular perturbation method. Fin efficiency analysis of convective straight fins with ... Kern, Donald Quentin, and Allan D. Kraus. Extended Surface Heat Transfer. McGraw-Hill, 1972... Thulukkanam, Kuppan. ht.core — Heat Transfer 0.1 documentation Extended surface heat transfer. [D Q Kern; A D Kraus;] Home. WorldCat Home About WorldCat Help. Search. Search for Library Items Search for Lists Search for Contacts Search for a Library. Create lists, bibliographies and reviews: or Search WorldCat. Find items in

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Kraus, PhD, is Professor of Mechanical Engineering at the University of Akron, Ohio, and is principal associate at Allan D. Kraus Associates. He is the author of many works on thermal systems. Extended Surface Heat Transfer: Kraus, Allan D., Aziz ... Extended surface heat transfer [1972] Kern, Donald Quentin 1914-1971 Kraus, Allan D. Extended surface heat transfer - AGRIS KERN Process Heat Transfer. Topics KERN Collection opensource Language English. heat transfer Addeddate 2017-10-15 15:04:46 Identifier KERNProcessHeatTransfer Identifier-ark ark:/13960/t3xt21337 Ocr ABYBY FineReader 11.0 (Extended OCR) Ppi 300 Scanner Internet Archive HTML5 Uploader 1.6.3. plus-circle Add Review. comment.

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