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...Efficiency of Extended Surfaces with Simultaneous Heat and Mass Transfer A.H. Elmahdy R.C. Biggs ASHRA E Member ABSTRACT An algorithm is presented to determine the efficiency of extended surfaces (circular or longitudinal fins with a uniform thickness) when simultaneous heat and mass transfer occur. Efficiency of extended surfaces with simultaneous heat and ...Extended Surface Heat Transfer by Donald Q. Kern; Allan D. Kraus and a great selection of related books, art and collectibles available now at AbeBooks.com. Kern D Q - AbeBooks Convection from a thin conducting fin. In a surface extension such as a fin, there exists an internal distribution of energy transfer by conduction which is dependent on convective dissipation around the fin boundary. The function of the fin is to enhance heat transfer beyond that possible with a plain surface,...

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Allan D. 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.

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