R. W. R. MUNCEY, **Heat Transfer Calculations in Buildings.** Applied Science, London.

PRESENT concern about the availability of fuel in the future compels that greater interest be taken in the use of energy for the space heating and air conditioning of buildings. This leads inevitably to a detailed examination of dynamic heat flow in structures to improve the calculation of the energy requirements of buildings in realistic conditions of varying ambient temperature.

The subject begins with the diffusion equation for heat conduction in solids. Various methods of solution are available and these have been gathered together by the author with an account of the underlying mathematics, the techniques of application and comment on their limitations. The result is a book competently written in a style that will appeal to the applied mathematician but less so to the many others seeking guidance in the optimal design of buildings for a specified thermal performance. This could probably have been overcome by including practical calculations to illustrate the use of the various methods of solution with notes on their relative suitability for particular purposes.

Although the book abbreviates the subject perhaps slightly severely it may be recommended as a useful introduction particularly for research workers and advanced undergraduates on Building Science courses.

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