\[ \psi_{si} = \frac{1}{h\pi} (\gamma_{si} - \gamma_{si'}) + \int \Delta_{so} T_{\sigma} d\sigma, \]

\[ \psi_{se} = \frac{1}{h\pi} (\gamma_{se} + \gamma_{se'}) + \int \Delta_{so} T_{\sigma} d\sigma, \]

where in both cases

\[ \gamma_{sp} = \frac{\partial}{\partial n_s} T_{sp}, \quad \gamma'_{sp} = \frac{1}{h\pi} \int \gamma_{sp} \frac{\partial}{\partial n_s} T_{so} d\sigma. \]

A similar investigation is carried through for the second boundary problem; here the result is somewhat simpler. The author now proceeds to investigate the relation between the fundamental distributions on a surface and its transform by reciprocal radii, and furthermore gives a detailed discussion of the special cases of the circle, sphere, and ellipse. Certain convergence investigations concerning the Neumann-Robin methods conclude the memoir.

T. H. GRONWALL.


The authors have written this book to supply the need for a set of up-to-date English physical and chemical tables of convenient size and moderate price. In comparison with larger works such as those of Landolt, Bornstein, and Meyerhoff, this little book contains more information than its relative size indicates. In fact for class use where one illustration of a given type is good as another this book is ample. For the investigator desiring information of a very particular nature it may not be sufficient.

In most cases a table is accompanied by a brief statement containing definitions and standard formulas. Many references are given both to standard works and to observers for particular measurements. Interpolations and extrapolations are indicated.

The book contains several hundred tables covering subjects in general physics, astronomy, heat, sound, light, electricity,
magnetism, radioactivity and gaseous ionization, and chemistry. At the end are tables of $e^{-x}$, four and five-place logarithms, reciprocals, squares, and natural trigonometric functions.

H. B. PHILLIPS.

NOTES.