

# CONTENTS

## PREFACE

## INSTRUCTIONS FOR THE USE OF THE TABLES

## TRIGONOMETRIC AND HYPERBOLIC FUNCTIONS

Formulas	6
$\sin x$ , $\cos x$ , $\tan x$ , $\cot x$ ( $x$ in degrees)	14
$\cos x$ , $\sin x$ , $\tan x$	18
$\text{Cosh } x$ , $\text{Sinh } x$ , $\text{Tanh } x$	24

## EXPONENTIAL FUNCTION AND LOGARITHM

Formulas	28
$e^x$ , $e^{-x}$	31
$\ln x$	36

## BESSEL FUNCTIONS

Formulas	38
$J_0(x)$ , $J_1(x)$ , $Y_0(x)$ , $Y_1(x)$	46
$I_0(x)$ , $I_1(x)$ , $K_0(x)$ , $K_1(x)$	54

## THOMSON FUNCTIONS

Formulas	62
$\text{ber } x$ , $\text{bei } x$ , $\text{ber}'x$ , $\text{bei}'x$	68
$\text{ker } x$ , $\text{kei } x$ , $\text{ker}'x$ , $\text{kei}'x$	76

## ELLIPTIC INTEGRALS

Formulas	84
$F(x, y)$	90
$E(x, y)$	100

## MISCELLANEOUS TRANSCENDENTAL FUNCTIONS

Formulas	110
$\text{erf } x$	119
$C(x)$ , $S(x)$	122
$\text{Ei}(-x)$ , $\text{Ei } x$ , $\text{Ci } x$ , $\text{Si } x$	126
$\Gamma(x) = y!$	134

## TRANSCENDENTAL CONSTANTS

136