

CONTENTS

	Page
Introduction: Part I. The Modified Hankel Functions and Their Properties	xiii
Part II. The Method of Computation of the Functions	xxx
Bibliography	xxxii
Table I. The Coefficients of the Maclaurin's Series for $f(z)$, $g(z)$, $f'(z)$, and $g'(z)$	xxxiv
Table II. The Coefficients in the Asymptotic Series for $h_1(z)$ and $h_2(z)$	xxxv
Table III. Useful Constants	xxxv
Table IV. The Zeros of $h_2(z)$ and $h_2'(z)$	xxxvi
Table V. The Functions $h_1(z)$ and $h_1'(z)$ for $\Delta x = \Delta y = 0.1$ and $ x+iy \leq 6$	1
Table VI. The Functions $h_2(z)$ and $h_2'(z)$ for $\Delta x = \Delta y = 0.1$ and $ x+iy \leq 6$	119