



# The Theory Of Linear Operators (Hardback)

By Harold T. Davis

Read Books, United Kingdom, 2008. Hardback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.THE THEORY OF LINEAR OPERATORS FROM THE STANDPOINT OF DIFFERENTIAL EQUATIONS OF INFINITE ORDER By HAROLD T. DAVIS. Originally published in 1936. Contents include: CHAPTER I LINEAR OPERATORS 1. The Nature of Operators -----1 2. Definition of an Operator -----3 3. A Classification of Operational Methods -----7 4. The Formal Theory of Operators -----g 5. Generalized Integration and Differentiation -- 16 6. Differential and Integral Equations of Infinite Order -----23 7. The Generatrix Calculus -- 28 8. The Heaviside Operational Calculus -----34 9. The Theory of Functionals -----33 10. The Calculus of Forms in Infinitely Many Variables -----4. CHAPTER II PARTICULAR OPERATORS 1. Introduction -----51 2. Polynomial Operators -----53 3. The Fourier Definition of an Operator -----53 4. The Operational Symbol of von Neumann and Stone -----57 5. The Operator as a Laplace Transform -----59 6. Polar Operators --60 7. Branch Point Operators -----64 8. Note on the Complementary Function -----70 9. Riemann's Theory - .--72 10. Functions Permutable with Unity -----76 11. Logarithmic Operators -----78 12. Special Operators -----85 13. The General Analytic Operator -----99 14. The Differential Operator...



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