



## Linear Ordinary Differential Operators of the Second Order (Classic Reprint) (Paperback)

By Ralph S Phillips

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Excerpt from Linear Ordinary Differential Operators of the Second Order A precise meaning will be assigned to the operator ( $l$ ) in section two for the case when  $q(x)$  is real valued, and this will later (section four) be extended to complex  $q(x)$ . For real  $q(x)$  two situations arise depending on the function  $q(x)$ . In the limit point case there is only one possible interpretation for  $L$  and that is independent of  $a/b$   $L$  is self-adjoint with a real spectrum. In the limit circle case,  $L$  has a pure point Spectrum which lies in the upper half-plane for  $\text{Im} [c/b] > 0$  and in the lower half-plane for  $\text{Im} [c/b] < 0$ . We show by example that in this case the spectrum need not be confined to a strip parallel to the real axis. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases,...



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