

# Linear Differential Transformations of the Second Order

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## I. Foundations of the theory

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# **I Foundations of the theory**

In this first chapter our aim is to assemble certain information needed in our subsequent construction of the theory. Well known facts will be set out in an abbreviated form only and, in the case of theorems, without proof. We can assure the reader that the following account provides a careful preparation for the problems which are going to be discussed, and without it he might well find the rest of the book wearisome to read.