

Linear Differential Transformations of the Second Order

II. Dispersion theory

In: Otakar Borůvka (author); Felix M. Arscott (translator): Linear Differential Transformations of the Second Order. (English). London: The English Universities Press, Ltd., 1971. pp. [107].

Persistent URL: <http://dml.cz/dmlcz/401680>

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II Dispersion theory

Part II of this book is devoted to building up the theory of those functions which we call *dispersions*. These are certain functions of an independent variable which occur in the transformations of *oscillatory* differential equations (q), and can be defined as solutions of certain non-linear differential equations of the third order. They are of two kinds, known as *central dispersions* and *general dispersions*. Chapters A and B of this Part are devoted to building up the theory and applications of central dispersions, while general dispersions are handled in Chapter C.