PHYSICAL ASPECTS OF COLOUR

P H I L I P S T E C H N I C A L L I B R A R Y

PHYSICAL ASPECTS OF COLOUR

AN INTRODUCTION TO THE SCIENTIFIC STUDY OF COLOUR
STIMULI AND COLOUR SENSATIONS

Dr. P. J. BOUMA

Second edition
edited by

W. de GROOT
A. A. KRUIHOF
J. L. OUWELTJES

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PREFACE TO THE SECOND ENGLISH EDITION

The original Dutch text of Bouma's book, written between September 1944 and September 1945, was published in November 1946, a few months before the death of the author on January 19, 1947.

An English edition, published under supervision of the first undersigned, was achieved in November 1947. A few additions to the original were made, most of them derived from posthumous papers of the author, published in 1946 and 1947.

When, in 1965, the present publisher asked us to prepare a second English edition, to be made with the permission of Mrs. C. J. Bouma-Querner, it was clear to us from the outset that the order of treating the main subjects of the original and the wording of the first Dutch edition should be maintained as far as possible. A number of changes was, however, inevitable. First of all the names of quantities and technical terms, the symbols and definitions for quantities and the names and symbols for units had to be brought into accordance with the newest C.I.E. vocabulary (now in preparation) and with the ISO recommendations, based on the SI, the International System of Units (1960).

Secondly, although the fundamentals of colorimetry have little changed, the developments of the past twenty years had to be taken into account. This resulted in an extension of the list of references with basic articles for new conceptions, whilst of the older literature only papers of fundamental interest were retained. We thought these restrictions on the list of references to be justified as nowadays for the literature up to 1954 there is the virtually complete compilation in Richter's "Internationale Bibliographie der Farbenlehre" whereas for the literature of recent years the system issued by "die Farbe" provides all the necessary information. For the same reason in some chapters new sections had to be added and other sections rewritten or extended.

In the third place it seemed desirable to shift certain subjects from one chapter to another. Thus, for instance, the information on the colour atlases of Ostwald and Munsell, originally to be found in the chapter on the historical development (Ch. XI), has been shifted to Ch. IX.

As was the case with the first translation, the text has been revised as to technical expressions and idiom, especially the parts rewritten or added. We are greatly indebted to Mr. H. Carter for the accurate fulfilment of this task.

We hope that also in its new form Bouma's book may prove useful to all those interested in colour science.

W. de Groot
A. A. Kruithof
J. L. Ouweltjes

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