



Symmetry

By Hermann Weyl

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Symmetry By Hermann Weyl

Defines symmetry through a discussion of its many uses in a wide variety of fields both academic and natural.

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Editorial Review

Review

"This short book on a vast subject is the work of a master. With a few sure and authoritative words [Weyl] gives us the heart of the matter. There is no book . . . quite like this one on the subject of symmetry and I doubt if any book will be written in the future that will not in some way lean upon this one. . . . [I]t contains so much besides mathematics that it can still be read with profit and enjoyed by someone who has not advanced beyond long division."--**John Tyler Bonner, *Science***

"Dr. Weyl presents a masterful and fascinating survey of the applications of the principle of symmetry in sculpture, painting, architecture, ornament, and design; its manifestations in organic and inorganic nature; and its philosophical and mathematical significance."--**Scientific American**

"Weyl offers deep insight into [the concept of symmetry], its foundations in group theory, its applications in physics, chemistry, and biology, and its role in art."--**Manfred Eigen and Ruthild Winkler in *Laws of the Game***

"Vivid and picturesque. . . . [Weyl is] an outstanding thinker."--**Wolfgang Yourgrau, *Philosophy and Phenomenological Research***

From the Back Cover

Symmetry is one of the ideas by which man through the ages has tried to comprehend and create order, beauty, and perfection. Starting from the concept that symmetry equals harmony of proportions, this book gradually develops first the geometric concept of symmetry in its several forms as bilateral, translatory, rotational, ornamental, and crystallographic symmetry, and finally rises to the general abstract mathematical idea underlying all these special forms.

About the Author

Hermann Weyl (1885-1955) was one of the twentieth century's most important mathematicians, and a key figure in the development of quantum physics and general relativity. He was a member of the Institute for Advanced Study in Princeton and the author of many books.

Users Review

From reader reviews:

Will Guertin:

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Tammy Carver:

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