



Tilings and Patterns

By Branko Grünbaum, G. C. Shephard

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"Remarkable...It will surely remain the unique reference in this area for many years to come." Roger Penrose, *Nature* "...an outstanding achievement in mathematical education." *Bulletin of The London Mathematical Society* "I am enormously impressed...Will be the definitive reference on tiling theory for many decades. Not only does the book bring together older results that have not been brought together before, but it contains a wealth of new material...I know of no comparable book." Martin Gardner

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Editorial Review

From the Back Cover

The definitive book on tiling and geometric patterns, this magnificently illustrated volume features 520 figures and more than 100 tables. Accessible to anyone with a grasp of geometry, it offers numerous graphic examples of two-dimensional spaces covered with interlocking figures, in addition to related problems and references.

Suitable for geometry courses as well as independent study, this inspiring book is geared toward students, professional mathematicians, and readers interested in patterns and shapes?artists, architects, and crystallographers, among others. Along with helpful examples from mathematics and geometry, it draws upon models from fields as diverse as crystallography, virology, art, philosophy, and quilting. The self-contained chapters need not be read in sequence, and each concludes with an excellent selection of notes and references. The first seven chapters can be used as a classroom text, and the final five contain fascinating browsing material, including detailed surveys of color patterns, groups of color symmetry, and tilings by polygons. The authors have also added a new Preface and Appendix to this second edition.

Dover unabridged, corrected republication of the edition published by W. H. Freeman & Company, New York, 1987.

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About the Author

Branko Grünbaum is Professor Emeritus at the University of Washington. G. C. Shephard is affiliated with the University of East Anglia, England.

Users Review

From reader reviews:

Galen Dent:

The ability that you get from Tilings and Patterns may be the more deep you searching the information that hide within the words the more you get serious about reading it. It does not mean that this book is hard to comprehend but Tilings and Patterns giving you excitement feeling of reading. The author conveys their point in a number of way that can be understood by anyone who read the item because the author of this e-book is well-known enough. That book also makes your personal vocabulary increase well. Making it easy to understand then can go with you, both in printed or e-book style are available. We suggest you for having this specific Tilings and Patterns instantly.

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Mary Jones:

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Christopher Evan:

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