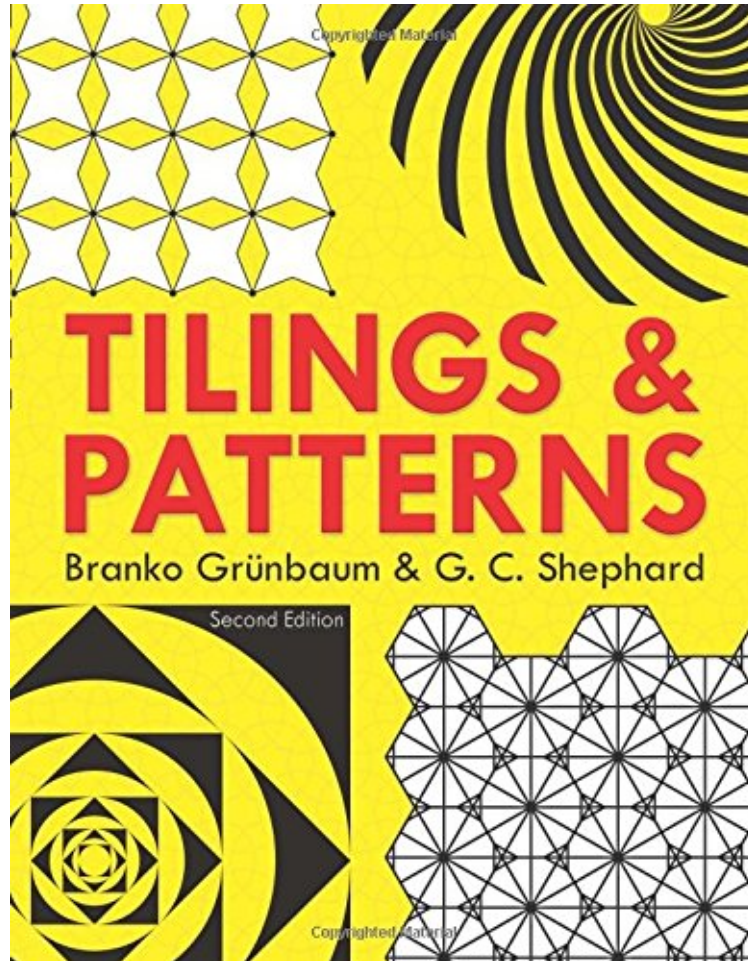


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## Tilings and Patterns: Second Edition (Dover Books on Mathematics)

*Branko Grünbaum, G.C. Shephard*  
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### **Branko Grünbaum, G.C. Shephard : Tilings and Patterns: Second Edition (Dover Books on Mathematics)**

before purchasing it in order to gage whether or not it would be worth my time, and all praised Tilings and Patterns: Second Edition (Dover Books on Mathematics):

3 of 3 people found the following review helpful. Finally back in print!By Timothy ChowThis fantastic book is now finally back in print after many delays. The second edition (Dover) is unabridged and contains a section at the end with many updates on new developments since the publication of the first edition. There is one unfortunate omission: the 14th and 15th types of convex pentagons that tile the plane monohedrally are not mentioned. Also, the paper by Henle and Henle on squaring the plane is referenced but it is not made clear that it solves the longstanding problem of tiling the plane with exactly one copy of each  $n \times n$  square. But the book covers such a vast territory that Grünbaum cannot be blamed for missing some references. This book is still the best single volume on the topic and is an indispensable reference for any researcher in the field, as well as a beautiful book to browse and dip into for

enjoyment.5 of 5 people found the following review helpful. The Bible of tiles and patterns...By seaTLe TLI have to add another gushing review to this remarkable book. As an artist and designer it's so rare to come across a life changing work rich in text and illustrations. This is one of those books. I came across this gem while reading through PDF's written by teacher Craig Kaplan on his web site. Kaplan's work has been built on the shoulders of these giants, Branko and Grunbaum. I just wish I had the chance to have studied under them during Kaplan and Grunbaum's period on staff at the UW. Look for deals on the used hardcover edition. It's totally worth investigation.1 of 1 people found the following review helpful. Great book! Must have for mathematiciansBy lemurjoeAlmost perfect copy. This is the book to have for tiling mathematics.

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.

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