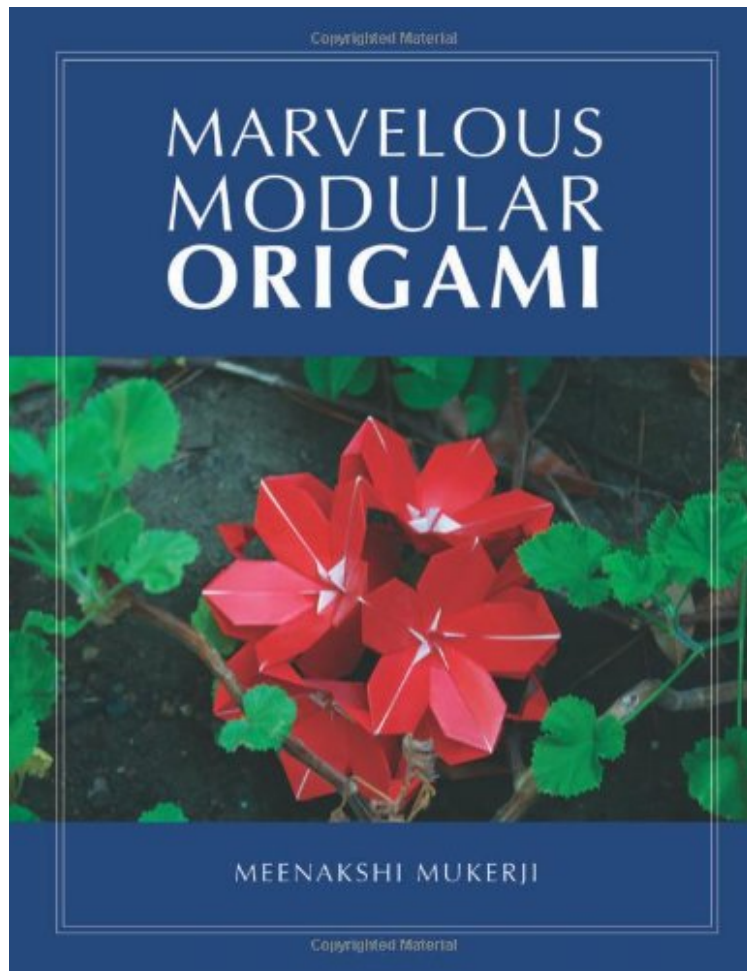


[Free pdf] Marvelous Modular Origami

## Marvelous Modular Origami

*Meenakshi Mukerji*

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#1170542 in Books A K Peters/CRC Press 2007-04-26 2007-04-13Original language:EnglishPDF # 1 10.90 x .20 x 8.50l, .65 #File Name: 156881316392 pages | File size: 21.Mb

**Meenakshi Mukerji : Marvelous Modular Origami** before purchasing it in order to gage whether or not it would be worth my time, and all praised Marvelous Modular Origami:

2 of 2 people found the following review helpful. A good selection of platonic solidsBy Coma the DooffI'm working out of this book right now. The projects (that's what I call each of resulting polyhedra) are really based on three basic models: sonobes (units folded slightly differently), floral ball (1:2 and 2:3 paper), and dodecahedra (different patterns on the faces, some with cutting; all use 30 units). So once you've folded the basic unit, all you have to figure out is the assembly. There are charts given to help visualize the platonic and archimedean faces; a sonobe table that summarizes the unit crease pattern for each solid; sonobe assembly guides; a table for making rectangles from squares; and a treatise on the mathematics of folding and design complete with exercises for the reader (the ancient college student in me just stood up and ran out of the room). I am struggling with the assembly for the floral ball right now; maybe using stiffer paper would help (actually, using stiffer paper when folding polyhedra is almost essential, at least for me). Oh,

and don't forget the lists of suggested reading and websites at the back. All in all, yes, this book should be included in your kusudama/polyhedra origami library (along with Tomoko Fuse, Rona Gurkewitz and Bennett Arnstein, Kunihiko Kasahara, Kawasaki, and Robert Lang). Fold on! 21 of 21 people found the following review helpful. Mad for modulars! By Kathryn S. March Meenakshi's web-site has been a hot spot for those of us who are hooked on making these intricate decorative balls for years and her new book does not disappoint! Very clear diagrams, helpful directions, multiple ways of forming the units to make different flowers appear, and the vast majority are not recycled from other books. For the bored beginner in origami on up! Warning! This is an addictive hobby. Fortunately tiny sheets of square paper are inexpensive..... 0 of 0 people found the following review helpful. Five Stars By Donna R RiordanGreat

This richly illustrated book provides step-by-step instructions for the construction of over 30 different modular origami structures. The author describes basic folding techniques required to construct the modules that are used as building blocks to construct complex ornamental models. The diagrams are clear, crisp, and easy to follow, and are accompanied by inspiring color photographs. Additional tips encourage the reader to design their own original creations. Advance Praise for *Marvelous Modular Origami* "A must-have for any modular origami polyhedra enthusiast." -Rona Gurkewitz, co-author of *Multimodular Origami Polyhedra* "The models are paper folding in its purest form. They range from simple Sonobe to floral and geometrical constructions. All are eye-catching and satisfying to fold, and the finished constructions are pleasing to behold. Also included are short sections on the mathematics behind the shapes and optimum color choices." -David Petty, author of *Origami A-B-C* "In this colorful book, you'll find wonderful original origami modular creations. Meenakshi's clear instructions and helpful hints will have you zipping through these modules as well as improvising your own." -Rachel Katz, co-author of *FUN FOLDS: Language Learning Through Paper Folding* "Marvelous Modular Origami is a colorful addition to the literature of mathematical origami." -Florence Temko, author of many origami and other craft books

" Splendid book ... Purists rejoice! Without doubt, this is a must have for modular enthusiasts and well worth investigating for others. -Davidy Petty, BOM, August 2007 of *Marvelous Modular Origami* from the Polish Origami Society (in Polish), including full color photos of of the models included in the book. -POS, July 2007 ""... this is an excellent book ... Modular and kusudama fans will certainly want to add this book to their collection. And the non-modular-folders out there might just find that this is the book that hooks them on this origami specialty!"" -Origami USA magazin, January 2008 ""... its deep value lies in its enhancement of rich mathematical concepts and its connections between mathematics and science. It is highly recommended."" -Mathematics Teacher, May 2008 ""Published by A K Peters Ltd., *Marvelous Modular Origami* offers step-by-step instructions for more than 30 different modular origami structures. By the end of the year, the book was a bestseller."" -The Mercury News , May 2008 ""Meenakshi Mukerji takes the ancient Japanese art form of origami or paper folding far beyond the making of simple paper cranes."" -Cupertino COURIER, May 2008 ""The book is intended for intermediate but beginners are also encouraged to try."" -European Mathematical Society, March 2008 so many ways, origami is the perfect activity for young children. Using only simple movements that even young ones can master at a high enough level, students can create beautiful things. The pot is made even sweeter by the fact that the cost of the raw materials is so low. By practicing first using printer paper, the students can hone their skills before moving on to the development of the finished product. This book contains some of the best and most functional origami patterns ever developed. The end results are spectacular and the directions are very easy to follow. I am on good terms with the education department at Mount Mercy College and will be showing them this book when classes start this fall. -Charles Ashbacher, *Journal of Recreational Mathematics* , March 2008 the help of this book, interested teachers and lecturers can learn to fold and put together beautiful symmetrical solids. The folding tasks will enrich geometry teaching and create interesting learning environments at secondary school level."" -Zentralblatt MATH, January 2009 ""This book would be valuable to those who enjoy origami and want to try new folding methods and constructions. The directions, accompanied by quality illustrations, are easy to follow. This would be an excellent reference for members of a mathematics club who are looking for projects."" -Mathematics Teaching in the Middle School, November 2008 *Marvelous Modular Origami* has been reviewed by *Mathematical s!* Check out the link above for more details. -*Mathematical s!*, November 2009"About the Author Meenakshi Mukerji (Adhikari) was introduced to origami in her early childhood by her uncle Bireshwar Mukhopadhyay. She rediscovered origami in its modular form as an adult, quite by chance in 1995, when she was living in Pittsburgh, PA. A friend took her to a class taught by Doug Philips, and ever since she has been folding modular origami and displaying it on her very popular website [www.origamee.net](http://www.origamee.net). She has many designs to her own credit. In 2005, Origami USA presented her with the Florence Temko award for her exceptional contribution to origami. Meenakshi was born and raised in Kolkata, India. She obtained her BS in electrical engineering at the prestigious Indian Institute of Technology, Kharagpur, and then came to the United States to pursue a master s in computer science at Portland State University in Oregon. She worked in the software industry for more than a decade but is now at home in California with her husband and two sons to enrich their lives and to create her own origami

designs. Some people who have provided her with much origami inspiration and encouragement are Rosalinda Sanchez, David Petty, Francis Ow, Rona Gurkewitz, Ravi Apte, Rachel Katz, and many more. [www.origamee.net](http://www.origamee.net)