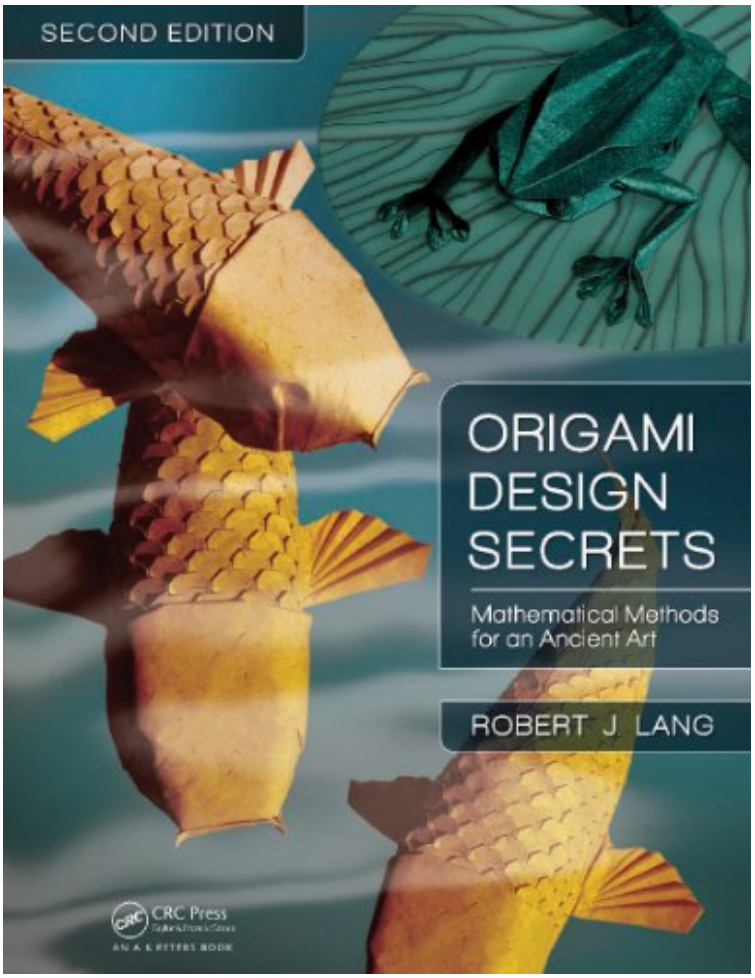
Origami Design Secrets: Mathematical Methods for an Ancient Art, Second Edition



Par Robert J. Lang
*ebooks | Download PDF | *ePub | DOC | audiobook*

Dtails sur le produit Rang parmi les ventes : #517447 dans eBooksPubli le: 2011-10-05Sorti le: 2011-10-05Format: Ebook Kindle

(Library ebook) Origami Design Secrets: Mathematical Methods for an Ancient Art, Second Edition

Par Robert J. Lang : Origami Design Secrets: Mathematical Methods for an Ancient Art, Second Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Origami Design Secrets: Mathematical Methods for an Ancient Art, Second Edition:

Description :

Prsentation de l'diteurThe magnum opus of one of the worlds leading origami artists, the second edition of Origami Design Secrets reveals the underlying concepts of origami and how to create original origami designs. Containing step-by-step instructions for 26 models, this book is not just an origami cookbook or list of instructionsit introduces the fundamental building blocks of origami, building up to advanced methods such as the combination of uniaxial bases, the circle/river method, and tree theory. With corrections and improved illustrations, this new expanded edition also covers uniaxial box pleating, introduces the new design technique of hex pleating, and describes methods of generalizing polygon packing to arbitrary angles.With coverage spanning the foundations of origami construction and advanced methods using both paper and pencil and custom-built free software, Origami Design Secrets helps readers cultivate the intuition and skills necessary to develop their own designs. It takes them beyond merely following a recipe to crafting a work of art. Prsentation de l'diteurThe magnum opus of one of the worlds leading origami artists, the

second edition of Origami Design Secrets reveals the underlying concepts of origami and how to create original origami designs. Containing step-by-step instructions for 26 models, this book is not just an origami cookbook or list of instructionsit introduces the fundamental building blocks of origami, building up to advanced methods such as the combination of uniaxial bases, the circle/river method, and tree theory. With corrections and improved illustrations, this new expanded edition also covers uniaxial box pleating, introduces the new design technique of hex pleating, and describes methods of generalizing polygon packing to arbitrary angles.With coverage spanning the foundations of origami construction and advanced methods using both paper and pencil and custom-built free software, Origami Design Secrets helps readers cultivate the intuition and skills necessary to develop their own designs. It takes them beyond merely following a recipe to crafting a work of art. Biographie de l'auteurRobert J. Lang has been an avid student of origami for over forty years and is now recognized as one of the worlds leading masters of the art. He is noted for designs of great detail and realism, and his repertoire includes some of the most complex origami designs ever created. His work combines aspects of the Western school of mathematical origami design with the Eastern emphasis upon line and form to yield models that are at once distinctive, elegant, and challenging to fold. They have been shown in exhibitions in New York (Museum of Modern Art), Paris (Carrousel du Louvre), Salem (Peabody Essex Museum), San Diego (Mingei Museum of World Folk Art), and Kaga, Japan (Nippon Museum of Origami), among others. In 1992 Dr. Lang became the first Westerner ever invited to address the Nippon Origami Associations annual meeting; he has since been an invited guest at international origami conventions around the world. He lectures widely on origami and its connections to mathematics, science, and technology and teaches workshops on both artistic techniques and applications of folding in industrial design. Dr. Lang is one of the pioneers of the cross-disciplinary marriage of origami with mathematics; he has been one of the few Western columnists for Origami Tanteidan Magazine, the journal of the Japan Origami Academic Society, and has presented several refereed technical papers on origami-math at mathematical and computer science professional meetings. He has consulted on applications of origami to engineering problems ranging from air-bag design to expandable space telescopes. He is the author or co-author of twelve books and numerous articles on origami art and design. Dr. Lang was born in Ohio and raised in Atlanta, Georgia. Along the way to his current career as a full-time origami artist and consultant, he worked as a physicist, engineer, and RD manager, during which time he authored or co-authored over 80 technical publications and 50 patents on semiconductor lasers, optics, and integrated optoelectronics. He is a Fellow of the Optical Society of America, a member of the IEEE Photonics Society, and served as Editor-in-Chief of the IEEE Journal of Quantum Electronics from 20072010. In 2009, he received the highest honor of Caltech, the Distinguished Alumni Award. Dr. Lang resides in Alamo, California.