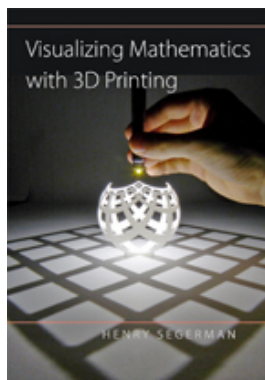


Now Available from
JOHNS HOPKINS UNIVERSITY PRESS



Visualizing Mathematics with 3D Printing

Henry Segerman

Wouldn't it be great to experience three-dimensional ideas in three dimensions? In this book—the first of its kind—mathematician and mathematical artist Henry Segerman takes readers on a fascinating tour of two-, three-, and four-dimensional mathematics, exploring Euclidean and non-Euclidean geometries, symmetry, knots, tilings, and soap films. *Visualizing Mathematics with 3D Printing* includes more than 100 color photographs of 3D printed models. Readers can take the book's insights to a new level by visiting its sister website, 3dprintmath.com, which features virtual three-dimensional versions of the models for readers to explore. These models can also be ordered online or downloaded to print on a 3D printer.

Henry Segerman is one of the leading figures in the new world of math and 3D printing. He is an assistant professor of mathematics at Oklahoma State University.

Combining the strengths of book and website, this volume pulls higher geometry and topology out of the realm of the abstract and puts it into the hands of anyone fascinated by mathematical relationships of shape. With the book in one hand and a 3D printed model in the other, readers can find deeper meaning while holding a hyperbolic honeycomb, touching the twists of a torus knot, or caressing the curves of a Klein quartic.

"This book truly reaches into the third dimension and makes complex geometrical models easier to understand. Equally valuable for those of us wrapping our heads around 3D printed mathematical objects and for students of symmetry, topology, knot theory, or regular polyhedra."—Carlo H. Séquin, University of California, Berkeley

"Visual thinkers, rejoice! Three-dimensional shapes have never been so lovingly illustrated. Segerman's gorgeous 3D printed models, and his equally beautiful explanations, make this book a treat for the right-brained among us."—Steven Strogatz, Author of *The Joy of x: A Guided Tour of Math, from One to Infinity*

Be sure to mention the code **HNAF** to receive your 30% discount

To Order Call
1-800-537-5487

Or Visit
www.press.jhu.edu

Send Mail Orders to:
Johns Hopkins University Press
c/o Hopkins Fulfillment Service
P.O. Box 50370
Baltimore, MD 21211-4370

ORDER FORM

Payment or complete credit card information must accompany all mail-in orders.

Or order by phone: **1-800-537-5487**. Be sure to mention the code **HNAF** to receive your 30% discount

Please send me _____ hardcover copy/ies (978-1-4214-2035-6) at the **special reduced price of \$49.00** (reg. \$70.00)

Please send me _____ ebook copy/ies (978-1-4214-2036-3) at the **special reduced price of \$49.00** (reg. \$70.00)

Shipping charges: \$5.00 first book, \$2.00 each additional; outside the U.S. \$10.00 first book, \$6.00 each additional.

Residents of CA, CT, DC, FL, GA, HI, MD, MO, NJ, NY, PA, TX, and Canada please add applicable sales tax or GST. Prices subject to change.

Payment method: Check enclosed, payable to HFS.
 MasterCard Visa Discover American Express

Shipping address: (Please print.)

Name: _____

Address: _____

City/State/Zip: _____

Acct #: _____

Exp. date: _____ Security Code _____

Daytime phone: _____

Signature: _____