

# Notices



of the American Mathematical Society

April 2016

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### Gauge Invariance of Degenerate Riemannian Metrics

by Alice Barbara Tumpach



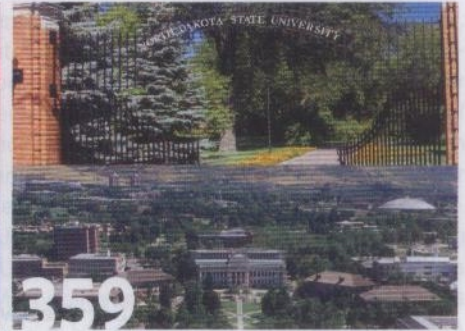
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by Steph van Willigenburg

*April is Math Awareness Month on the theme of "The Future of Prediction"; with that topic in mind we provide some essays from Lisa R. Goldberg and Olle Häggström, as well as greetings from some of our fellow math societies around the world. But first, our cover feature by Alice Barbara Tumpach provides the latest on modeling surfaces. You can see much more in the contents below, right up to the Back Page, which contains a new caption contest and the announcement of January's caption contest winner. Please post general comments and suggestions for this and future issues at [www.ams.org/notices](http://www.ams.org/notices). —Frank Morgan, Editor-in-Chief*

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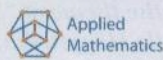
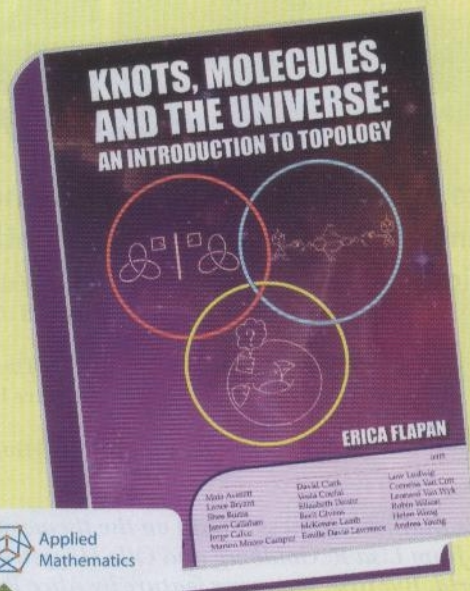
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# from the AMS



**TEXTBOOK**

## Knots, Molecules, and the Universe

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Erica Flapan, Pomona College, Claremont, CA

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2016; 386 pages; Hardcover; ISBN: 978-1-4704-2535-7;  
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