THE MATHEMATICAL INTELLIGENCER

CONTENIDO

VOLUME 31 No. 1, 2009

ARTICLES

9 Formulas of Brion, Lawrence, and Varchenko on Rational Generating Functions for Cones.

A strange calculus for adding and multiplying systems of lattice points. *Matthias Beck, Christian Haase, and Frank Sottile.*

The Search for Quasi-Periodicity in Islamic 5-fold Ornament.

These wall patterns, always beautiful and a bit cryptic, began to seem downright mysterious centuries after they were made.

Peter R. Cromwell.

57 Geometric Constructions with Ellipses.

A new Problem but one that links us to Plato's Academy. *Aliska Gibbins and Lawrence Smolinsky*.

POEMS

Four Poems from When She Was Kissed by the Mathematician. *Sandra M. Gilbert.*

DEPARTMENTS

1 Letter

Opinion Survey: The best Mathematical Books of the Twentieth Century. *Eric Grunwald*.

2 Mathematically Bent.

Riot at the Calc Exam.

R. Breu.

4 Viewpoint

Mathematics is Not a Game But...

Robert Thomas.

21 Years Ago.

Jakob Steiner's Systematische Entwickelung: the Culmination of Classical Geometry.

Viktor Blåsjö.

30 Mathematical Entertainments.

The World's Tallest Cryptic.

Kevin Wald.

63 Mathematical Tourist.

Abstract Neo-Plasticity and Its Architectural Manifestation in the Luis Barragan House/Studio of 1947.

Jun-Ho Park, Hon-Kyu Lee, Young-Ho Cho, and Kyung-Sun Lee.

REVIEWS

73 Introduction to Bayesian Scientific Computing: Ten Lectures on Subjective computing.

Daniela Calvetti and Erkki Somersalo.

Reviewed by Uri Ascher.

75 A Certain Ambiguity. A Mathematical Novel.

Gaurav Suri and Hartosh Sing Bal.

Reviewed by Tom Petsinis.

76 Symmetry and the Monster.

Mark Roman.

Reviewed by Kishore Marathe.

79 Ernst Zermelo. An Approach to His Life and Work.

Heinz-Dieter Ebbinghaus, in cooperation with Volker Peckhaus.

Reviewed by *Henry E. Heatherly*.

Number Theory Through Inquiry.

David C. Marshall, Edward Odell, and Michael Starbird.

Reviewed by John J. Watkins.

King of Infinite Space: Donald Coxeter, the Man Who saved Geometry.

Siobhan Roberts.

Reviewed by Ulf Persson.

STAMP CORNER.

The Philamath's Alphabet's: TUV.

Robin Wilson.

ON THE COVER:

How shall we read these tilings?

See pp. 36-56.