1. Record Nr. UNINA9910455519603321

Autore	Haga Kazuo <1934->
Titolo	Origamics [[electronic resource]] : mathematical explorations through paper folding / / Kazuo Haga ; edited and translated by Josefina C. Fonacier, Masami Isoda
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2008
ISBN	981-283-491-5
Edizione	[[English ed.].]
Descrizione fisica	1 online resource (152 p.)
Altri autori (Persone)	FonacierJosefina IsodaMasami
Disciplina	516/.156
Soggetti	Origami Polyhedra - Models Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Introduction; Until the Publication of the English Edition; Acknowledgments; Preface for the English Edition; Contents; 1. A POINT OPENS THE DOOR TO ORIGAMICS; 1.1 Simple Questions About Origami; 1.2 Constructing a Pythagorean Triangle; 1.3 Dividing a Line Segment into Three Equal Parts Using no Tools; 1.4 Extending Toward a Generalization; 2. NEW FOLDS BRING OUT NEW THEOREMS; 2.1 Trisecting a Line Segment Using Haga's Second Theorem Fold; 2.2 The Position of Point F is Interesting; 2.3 Some Findings Related to Haga's Third Theorem Fold 3. EXTENSION OF THE HAGA'S THEOREMS TO SILVER RATIO RECTANGLES3.1 Mathematical Adventure by Folding a Copy Paper; 3.2 Mysteries Revealed from Horizontal Folding of Copy Paper; 3.3 Using Standard Copy Paper with Haga's Third Theorem; 4. X-LINES WITH LOTS OF SURPRISES; 4.1 We Begin with an Arbitrary Point; 4.2 Revelations Concerning the Points of Intersection; 4.3 The Center of the Circumcircle!; 4.4 How Does the Vertical Position of the Point of Intersection Vary?; 4.5 Wonders Still Continue; 4.6 Solving the Riddle of; 4.7 Another Wonder; 5. ""INTRASQUARESi AND iEXTRASQUARES"" 5.1 Do Not Fold Exactly into Halves5.2 What Kind of Polygons Can You Get?; 5.3 How do You Get a Triangle or a Quadrilateral?; 5.4 Now to

Making a Map; 5.5 This is the iScienti c Methodi; 5.6 Completing the Map; 5.7 We Must Also Make the Map of the Outer Subdivision; 5.8 Let Us Calculate Areas; 6. A PETAL PATTERN FROM HEXAGONS?; 6.1 The Origamics Logo; 6.2 Folding a Piece of Paper by Concentrating the Four Vertices at One Point; 6.3 Remarks on Polygonal Figures of Type n; 6.4 An Approach to the Problem Using Group Study; 6.5 Reducing the Work of Paper Folding; One Eighth of the Square Will Do
6.6 Why Does the Petal Pattern Appear?6.7 What Are the Areas of the Regions?; 7. HEPTAGON REGIONS EXIST?; 7.1 Review of the Folding Procedure; 7.2 A Heptagon Appears!; 7.3 Experimenting with Rectangles with Different Ratios of Sides; 7.4 Try a Rhombus; 8. A WONDER OF ELEVEN STARS; 8.1 Experimenting with Paper Folding; 8.2 Discovering; 8.3 Proof; 8.4 More Revelations Regarding the Intersections of the Extensions of the Creases; 8.5 Proof of the Observation on the Intersection Points of Extended Edge-to-Line Creases; 8.6 The Joy of Discovering and the Excitement of Further Searching
9. WHERE TO GO AND WHOM TO MEET9.1 An Origamics Activity as a Game; 9.2 A Scenario: A Princess and Three Knights?; 9.3 The Rule: One Guest at a Time; 9.4 Cases Where no Interview is Possible; 9.5 Mapping the Neighborhood; 9.6 A Flower Pattern or an Insect Pattern; 9.7 A Different Rule: Group Meetings; 9.8 Are There Areas Where a Particular Male can have Exclusive Meetings with the Female?; 9.9 More Meetings through a iHidden Doori; 10. INSPIRATION FROM RECTANGULAR PAPER; 10.1 A Scenario: The Stern King of Origami Land
10.2 Begin with a Simpler Problem: How to Divide the Rectangle Horizontally and Vertically into 3 Equal Parts

Sommario/riassunto

The art of origami, or paper folding, is carried out using a square piece of paper to obtain attractive figures of animals, flowers or other familiar figures. It is easy to see that origami has links with geometry. Creases and edges represent lines, intersecting creases and edges make angles, while the intersections themselves represent points. Because of its manipulative and experiential nature, origami could become an effective context for the learning and teaching of geometry. In this unique and original book, origami is an object of mathematical exploration. The activities in this book diff

2. Record Nr. UNISA996465302303316

Titolo	Abstraction, Reformulation, and Approximation [[electronic resource]] : 7th International Symposium, SARA 2007, Whistler, Canada, July 18-21, 2007, Proceedings / / edited by Ian Miguel, Wheeler Tuml
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	3-540-73580-1
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (XI, 420 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 4612
Disciplina	004
Soggetti	Artificial intelligence Computers Mathematical logic Computer logic Artificial Intelligence Theory of Computation Mathematical Logic and Formal Languages Logics and Meanings of Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks (Abstracts) -- State Abstraction in Real-Time Heuristic Search -- Abstraction and Reformulation in the Generation of Constraint Models -- A Framework for Integrating Optimization and Constraint Programming -- Research Papers -- DFS-Tree Based Heuristic Search -- Partial Pattern Databases -- CDB-PV: A Constraint Database-Based Program Verifier -- Generating Implied Boolean Constraints Via Singleton Consistency -- Reformulating Constraint Satisfaction Problems to Improve Scalability -- Reformulating Global Constraints: The Slide and Regular Constraints -- Relaxation of Qualitative Constraint Networks -- Dynamic Domain Abstraction Through Meta-diagnosis -- Channeling Abstraction -- Approximate Model-Based Diagnosis Using Greedy Stochastic Search -- Combining Perimeter Search and Pattern Database Abstractions -- Solving Satisfiability in Ground Logic with Equality by Efficient Conversion to

Propositional Logic -- Tailoring Solver-Independent Constraint Models: A Case Study with Essence? and Minion -- A Meta-CSP Model for Optimal Planning -- Reformulation for Extensional Reasoning -- An Abstract Theory and Ontology of Motion Based on the Regions Connection Calculus -- Computing and Using Lower and Upper Bounds for Action Elimination in MDP Planning -- Model-Based Exploration in Continuous State Spaces -- Active Learning of Dynamic Bayesian Networks in Markov Decision Processes -- Boosting MUS Extraction -- Homogeneous Hierarchical Composition of Areas in Multi-robot Area Coverage -- Formalizing the Abstraction Process in Model-Based Diagnosis -- Boolean Approximation Revisited -- An Analysis of Map-Based Abstraction and Refinement -- Solving Difficult SAT Instances Using Greedy Clique Decomposition -- Abstraction and Complexity Measures -- Research Summaries -- Abstraction, Emergence, and Thought -- What’s Your Problem? The Problem of Problem Definition -- A Reformulation-Based Approach to Explanation in Constraint Satisfaction -- Integration of Constraint Programming and Metaheuristics -- Rule-Based Reasoning Via Abstraction -- Extensional Reasoning -- Reformulating Constraint Models Using Input Data -- Using Analogy Discovery to Create Abstractions -- Distributed CSPs: Why It Is Assumed a Variable per Agent? -- Decomposition of Games for Efficient Reasoning -- Generalized Constraint Acquisition -- Using Infeasibility to Improve Abstraction-Based Heuristics -- Leveraging Graph Locality Via Abstraction.

3. Record Nr. UNINA9910716016603321

Autore	Naftz David L.
Titolo	Geochemistry of selected aquifers in Tertiary rocks of the Upper Colorado River Basin in Wyoming, Colorado, and Utah / / by David L. Naftz
Pubbl/distr/stampa	Cheyenne, Wyoming : , : U.S. Geological Survey, , 1996
Descrizione fisica	1 online resource (v, 45 pages) : illustrations, maps
Collana	Water-resources investigations report ; ; 95-4065
Soggetti	Geochemistry - Colorado River Watershed (Colo.-Mexico) Aquifers - Colorado River Watershed (Colo.-Mexico) Groundwater - Quality - Colorado River Watershed (Colo.-Mexico) Groundwater flow - Colorado River Watershed (Colo.-Mexico) Aquifers Geochemistry Groundwater flow Groundwater - Quality North America Colorado River Watershed
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 44-45).