

# 11th International Conference on Fun with Algorithms

FUN 2022, May 30–June 3, 2022, Island of Favignana, Sicily, Italy

Edited by

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## ■ Contents

Preface	
<i>Pierre Fraigniaud and Yushi Uno</i> .....	0:vii
List of Authors	
.....	0:ix

### Regular Papers

Pushing Blocks by Sweeping Lines	
<i>Hugo A. Akitaya, Maarten Löffler, and Giovanni Viglietta</i> .....	1:1–1:21
A Practical Algorithm for Chess Unwinnability	
<i>Miguel Ambrona</i> .....	2:1–2:20
Pushing Blocks via Checkable Gadgets: PSPACE-Completeness of Push-1F and Block/Box Dude	
<i>Joshua Ani, Lily Chung, Erik D. Demaine, Yevhenii Diomidov, Dylan Hendrickson, and Jayson Lynch</i> .....	3:1–3:30
Fun Slot Machines and Transformations of Words Avoiding Factors	
<i>Marcella Anselmo, Manuela Flores, and Maria Madonia</i> .....	4:1–4:15
Chess Is Hard Even for a Single Player	
<i>N.R. Aravind, Neeldhara Misra, and Harshil Mittal</i> .....	5:1–5:20
Rolling Polyhedra on Tessellations	
<i>Akira Baes, Erik D. Demaine, Martin L. Demaine, Elizabeth Hartung, Stefan Langerman, Joseph O'Rourke, Ryuhei Uehara, Yushi Uno, and Aaron Williams</i> .....	6:1–6:16
Beedroids: How Luminous Autonomous Swarms of UAVs Can Save the World?	
<i>Quentin Bramas, Stéphane Devismes, Anaïs Durand, Pascal Lafourcade, and Anissa Lamani</i> .....	7:1–7:21
Priority Queues with Decreasing Keys	
<i>Gerth Stølting Brodal</i> .....	8:1–8:19
Zero-Knowledge Proof of Knowledge for Peg Solitaire	
<i>Xavier Bultel</i> .....	9:1–9:17
Nimber-Preserving Reduction: Game Secrets And Homomorphic Sprague-Grundy Theorem	
<i>Kyle W. Burke, Matthew Ferland, and Shang-Hua Teng</i> .....	10:1–10:17
Quantum-Inspired Combinatorial Games: Algorithms and Complexity	
<i>Kyle W. Burke, Matthew Ferland, and Shang-Hua Teng</i> .....	11:1–11:20
Grabbing Olives on Linear Pizzas and Pissaladières	
<i>Hungry Coatis</i> .....	12:1–12:20
How Fast Can We Play Tetris Greedily with Rectangular Pieces?	
<i>Justin Dallant and John Iacono</i> .....	13:1–13:19

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The Synchronization Game on Subclasses of Automata <i>Henning Fernau, Carolina Haase, and Stefan Hoffmann</i> .....	14:1–14:17
Making Life More Confusing for Firefighters <i>Samuel D. Hand, Jessica Enright, and Kitty Meeks</i> .....	15:1–15:15
Sorting Balls and Water: Equivalence and Computational Complexity <i>Takehiro Ito, Jun Kawahara, Shin-ichi Minato, Yota Otachi, Toshiki Saitoh, Akira Suzuki, Ryuhei Uehara, Takeaki Uno, Katsuhisa Yamanaka, and Ryo Yoshinaka</i> .....	16:1–16:17
Skiing Is Easy, Gymnastics Is Hard: Complexity of Routine Construction in Olympic Sports <i>James Koppel and Yun William Yu</i> .....	17:1–17:20
How Brokers Can Optimally Abuse Traders <i>Manuel Lafond</i> .....	18:1–18:19
Wordle Is NP-Hard <i>Daniel Lokshтанov and Bernardo Subercaseaux</i> .....	19:1–19:8
Mirror Games Against an Open Book Player <i>Roey Magen and Moni Naor</i> .....	20:1–20:12
Fun with FUN <i>Fabien Mathieu and Sébastien Tixeuil</i> .....	21:1–21:13
All Your bases Are Belong to Us: Listing All Bases of a Matroid by Greedy Exchanges <i>Arturo Merino, Torsten Mütze, and Aaron Williams</i> .....	22:1–22:28
Playing Guess Who with Your Kids <i>Ami Paz and Liat Peterfreund</i> .....	23:1–23:10
How to Physically Verify a Rectangle in a Grid: A Physical ZKP for Shikaku <i>Suthee Ruangwises and Toshiya Itoh</i> .....	24:1–24:12

## ■ Preface

This LIPICs volume contains the papers presented at the 11th International Conference on Fun with Algorithms (FUN 2022), May 30–June 3, 2022, Island of Favignana, Sicily, Italy. FUN is a series of conferences dedicated to the use, design, and analysis of algorithms and data structures, focusing on results that provide amusing, witty but nonetheless original and scientifically profound contributions to the area. Fun is a notion that can be judged from different perspectives, and be defined in many different manners. The conference defines fun in a broad sense, including aspects such as elegance, simplicity, amusement, surprise, originality, etc. The topics of interest include all aspects of algorithm design and analysis, and of computational complexity, under all types of algorithmic models (sequential, parallel, distributed, streaming, online, etc.).

Twenty-four papers were selected by the members of the program committee out of fifty four regular submissions. The main two criteria for judging the quality of the submitted papers were their scientific quality and their fit to the spirit of the conference. Several selected papers are dedicated to the analysis of the computational complexity of games such as Chess or Wordle, as well as to algorithmic solutions to these games, but many others are studying problems unrelated to games. The latter are either focussing on classical computational problems considered from an unorthodox angle, or are introducing new problems that were judged original and potentially fruitful from an algorithmic perspective.

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We want to thank all authors of the papers submitted to FUN 2022. Selecting a restricted subset of papers from these submissions often led to heartbreaking decisions. We also want to express our profound gratitude to the program committee members (and to their sub-reviewers), who not only produced informative reports on the submitted papers, but also actively participated to the discussions leading to the final decisions.


Last but not least, we want to deeply thank the organization team, Linda Pagli and Giuseppe Prencipe, both from Università di Pisa, Italy, who made possible to have the conference with participants onsite despite the uncertainties caused by the Coronavirus 2019 (COVID-19) pandemic. In fact, the May 2022 meeting on Island of Favignana will gather the participants of both FUN 2020 and FUN 2022, as the former was postponed due to the pandemic.

Pierre Fraigniaud and Yushi Uno  
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