

Contents

| | |
|---|-----|
| About this book | 1 |
| URBAN LARSSON | |
| Temperatures of games and coupons | 21 |
| ELWYN BERLEKAMP | |
| Wythoff visions | 35 |
| ERIC DUCHÊNE, AVIEZRI FRAENKEL, VLADIMIR GURVICH, NHAN HO, CLARK KIMBERLING, AND URBAN LARSSON | |
| Scoring games: the state of play | 89 |
| URBAN LARSSON, RICHARD NOWAKOWSKI AND CARLOS PEREIRA DOS SANTOS | |
| Restricted developments in partizan misère game theory | 113 |
| REBECCA MILLEY AND GABRIEL RENAULT | |
| Unsolved problems in combinatorial games | 125 |
| RICHARD NOWAKOWSKI | |
| Misère games and misère quotients | 169 |
| AARON SIEGEL | |
| An historical tour of binary and tours | 207 |
| DAVID SINGMASTER | |
| A note on polynomial profiles of placement games | 243 |
| J. I. BROWN, D. COX, A. HOEFEL, NEIL MCKAY, REBECCA MILLEY, RICHARD NOWAKOWSKI, AND ANGELA A. SIEGEL | |
| A PSPACE-complete graph nim | 259 |
| KYLE BURKE AND OLIVIA GEORGE | |
| A nontrivial surjective map onto the short Conway group | 271 |
| ALDA CARVALHO AND CARLOS PEREIRA DOS SANTOS | |
| Games and complexes I: Transformation via ideals | 285 |
| SARA FARIDI, SVENJA HUNTEMANN AND RICHARD NOWAKOWSKI | |
| Games and complexes II: Weight games and Kruskal–Katona type bounds | 297 |
| SARA FARIDI, SVENJA HUNTEMANN AND RICHARD NOWAKOWSKI | |
| Chromatic nim finds a game for your solution | 313 |
| MIKE FISHER AND URBAN LARSSON | |

| | |
|---|-----|
| Take-away games on Beatty's theorem and the notion of k -invariance | 333 |
| AVIEZRI FRAENKEL AND URBAN LARSSON | |
| Geometric analysis of a generalized Wythoff game | 343 |
| ERIC FRIEDMAN, SCOTT M. GARRABRANT, ILONA PHIPPS-MORGAN, ADAM S. LANDSBERG AND URBAN LARSSON | |
| Searching for periodicity in Officers | 373 |
| J.P. GROSSMAN | |
| Good pass moves in no-draw HyperHex: two proverbs | 387 |
| RYAN HAYWARD | |
| Conjoined games: Go-Cut and Sno-Go | 395 |
| MELISSA HUGGAN AND RICHARD NOWAKOWSKI | |
| Impartial games whose rulesets produce continued fractions | 403 |
| URBAN LARSSON AND MIKE WEIMERSKIRCH | |
| Endgames in bidding chess | 421 |
| URBAN LARSSON AND JOHAN WASTLUND | |
| Phutball draws | 439 |
| SUCHARIT SARKAR | |
| Scoring play combinatorial games | 447 |
| FRASER STEWART | |
| Generalized misère play | 469 |
| MIKE WEIMERSKIRCH | |
| Retrospective index | 479 |