1. Record Nr. UNINA9910726283203321 Autore **Browne Cameron Titolo** Computers and Games: International Conference, CG 2022, Virtual Event, November 22-24, 2022, Revised Selected Papers / / edited by Cameron Browne, Akihiro Kishimoto, Jonathan Schaeffer Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2023 Pubbl/distr/stampa **ISBN** 3-031-34017-5 Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (196 pages) Collana Lecture Notes in Computer Science, , 1611-3349; ; 13865 Altri autori (Persone) KishimotoAkihiro SchaefferJonathan Disciplina 794.81 **Algorithms** Soggetti Design and Analysis of Algorithms Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Classic Games: FairKalah: Towards Fair Mancala Play -- Improving Search in Go Using Bounded Static Safety -- Chinese Checkers Bitboards for Move Generation and Ranking Using Bitboards. Multi-Player and Multi-Action Games: Solving Chainmail Jousting -- An Algorithm for Multiplayer Games Exploiting Opponents' Interactions with the Player -- Incentivizing Information Gain in Hidden Information Multi-Action Games. Solving Games: QBF Solving using Best First Search -- Oware is Strongly Solved -- Solving Impartial SET using Knowledge and Combinatorial Game Theory. Measuring Games: Which Rules for Mu Torere? -- Measuring Board Game Distance. Decision Making in Games and Puzzles: Improving Computer Play in Skat with Hope Cards -- Batch Monte Carlo Tree Search -- Human and Computer Decision-Making in Chess with Applications to Online Cheat Detection -- Procedural Generation of Rush Hour Levels. Sommario/riassunto This book constitutes the refereed proceedings of the International Conference on Computers and Games, CG 2022, held virtually, during November 22-24, 2022. The 15 full papers included in this book were

carefully reviewed and selected from 23 submissions. They were organized in topical sections as follows: classic games, multi-player and multi-action games, solving games, measuring games, decision

making in games and puzzles.