Record Nr. UNINA9910349437403321 **Titolo** Diagrammatic Representation and Inference: 10th International Conference, Diagrams 2018, Edinburgh, UK, June 18-22, 2018. Proceedings / / edited by Peter Chapman, Gem Stapleton, Amirouche Moktefi, Sarah Perez-Kriz, Francesco Bellucci Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2018 **ISBN** 3-319-91376-X Edizione [1st ed. 2018.] Descrizione fisica 1 online resource (XVI, 831 p. 379 illus.) Collana Lecture Notes in Artificial Intelligence;; 10871 Disciplina 006.6 Soggetti User interfaces (Computer systems) Mathematical logic Artificial intelligence Application software Software engineering Optical data processing User Interfaces and Human Computer Interaction Mathematical Logic and Formal Languages Artificial Intelligence Information Systems Applications (incl. Internet) Software Engineering Image Processing and Computer Vision Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes index. Note generali Sommario/riassunto This book constitutes the refereed proceedings of the 10th International Conference on the Theory and Application of Diagrams, Diagrams 2018, held in Edinburgh, UK, in June 2018. The 26 revised full papers and 28 short papers presented together with 32 posters were carefully reviewed and selected from 124 submissions. The papers are organized in the following topical sections: generating and

drawing Euler diagrams; diagrams in mathematics; diagram design,

principles and classification; reasoning with diagrams; Euler and Venn diagrams; empirical studies and cognition; Peirce and existential graphs; and logic and diagrams.