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Nota di contenuto	Non-Equilibrium Systems and Special Functions -- Algebraic Geometry, Approximation and Optimisation -- On the Frontiers of High Dimensional Computation -- Month of Mathematical Biology -- Dynamics, Foliations, and Geometry In Dimension 3 -- Recent Trends on Nonlinear PDEs of Elliptic and Parabolic Type -- Functional Data Analysis and Beyond -- Geometric and Categorical Representation Theory. .
Sommario/riassunto	MATRIX is Australia's international and residential mathematical research institute. It facilitates new collaborations and mathematical advances through intensive residential research programs, each 1-4

weeks in duration. This book is a scientific record of the eight programs held at MATRIX in 2018: - Non-Equilibrium Systems and Special Functions - Algebraic Geometry, Approximation and Optimisation - On the Frontiers of High Dimensional Computation - Month of Mathematical Biology - Dynamics, Foliations, and Geometry In Dimension 3 - Recent Trends on Nonlinear PDEs of Elliptic and Parabolic Type - Functional Data Analysis and Beyond - Geometric and Categorical Representation Theory The articles are grouped into peer-reviewed contributions and other contributions. The peer-reviewed articles present original results or reviews on a topic related to the MATRIX program; the remaining contributions are predominantly lecture notes or short articles based on talks or activities at MATRIX.

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