

1. Record Nr.	UNINA9910788786303321
Titolo	Braids : proceedings of the AMS-IMS-SIAM Joint Summer Research Conference on Artin's Braid Group, held July 13-16, 1986 at the University of California, Santa Cruz, California / / Joan S. Birman, Anatoly Libgober, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1988] ©1988
ISBN	0-8218-7666-X
Descrizione fisica	1 online resource (766 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; 78 , 0271-4132
Disciplina	514/.224
Soggetti	Braid theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"AMS-IMS-SIAM Joint Summer Research Conference in the Mathematical Sciences on Artin's Braid Group ... held at the University of California, Santa Cruz, California on July 13-26, 1986, with support from the National Science Foundation"--T.p. verso.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents -- Organizing Committee -- List of Participants -- Introduction -- A construction of integrable differential system associated with braid groups -- Mapping class groups of surfaces -- Automorphic sets and braids and singularities -- The operator algebras of the two dimensional Ising model -- Artin's braid groups, classical homotopy theory, and sundry other curiosities -- Classification of solvorbifolds in dimension three - I -- Pure braid groups and products of free groups -- Polynomial covering maps -- Arithmetic analogues of braid groups and Galois representations -- Application of braids to fixed points of surface maps -- Statistical mechanics and the Jones polynomial -- Hurwitz action and finite quotients of braid groups -- Heights of simple loops and pseudo-Anosov homeomorphisms -- Linear representations of braid groups and classical Yang-Baxter equations -- A survey of Hecke algebras and the Artin braid groups -- On divisibility properties of braids associated with algebraic curves -- The panorama of polynomials for knots, links and skeins -- The structure of deleted symmetric products -- Braid group technique in complex geometry, I: Line Arrangements

in Cp^2 -- Problems -- Polynomials from braids -- The Jones polynomial of satellite links about mutants -- On the deformation of certain type of algebraic varieties -- Braids and discriminants -- tk moves on links -- Mutually braided open books and new invariants of fibered links -- Generalized braid groups and self-energy Feynman integrals -- Markov classes in certain finite symplectic representations of braid groups -- The braid index of an algebraic link -- Markov algebras.
