

1. Record Nr.	UNINA9910481047703321
Autore	Cha Jae Choon <1971->
Titolo	The structure of the rational concordance group of knots // Jae Choon Cha
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2007 ©2007
ISBN	1-4704-0489-3
Descrizione fisica	1 online resource (114 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 189, Number 885
Disciplina	514/.22
Soggetti	Low-dimensional topology Knot theory Concordances (Topology) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 189, Number 885 (second of 4 numbers)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Acknowledgments""; ""Chapter 1. Introduction""; ""1.1. Integral and rational knot concordance""; ""1.2. Main results""; ""Chapter 2. Rational knots and Seifert matrices""; ""2.1. Generalized Seifert surfaces""; ""2.2. Limits of Seifert matrices""; ""Chapter 3. Algebraic structure of $G_{sub(n)}$ ""; ""3.1. Invariants of Seifert matrices""; ""3.2. Invariants of limits of Seifert matrices""; ""3.3. Computation of $e(A)$ ""; ""3.4. Artin reciprocity and norm residue symbols""; ""3.5. Computation of $d(A)$ ""; ""Chapter 4. Geometric structure of $C_{sub(n)}$ "" ""4.1. Realization of rational Seifert matrices"" ""4.2. Construction of slice disks in rational balls""; ""4.3. Rational and integral concordance""; ""4.4. Subrings of rationals""; ""Chapter 5. Rational knots in dimension three""; ""5.1. Rational (0)- and (0.5)-solvability""; ""5.2. Effect of complexity change""; ""5.3. Realization of Alexander modules by ribbon""; ""5.4. Knots which are not rationally (1.5)-solvable""; ""Bibliography""