

1. Record Nr.	UNINA9910480525503321
Autore	Osin Denis V. <1974->
Titolo	Relatively hyperbolic groups : intrinsic geometry, algebraic properties, and algorithmic problems // Denis V. Osin
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2006
ISBN	1-4704-0444-3
Descrizione fisica	1 online resource (114 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 843
Disciplina	510 s 512/.2
Soggetti	Geometric group theory Hyperbolic groups Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 179, number 843 (second of 5 numbers)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Chapter 1. Introduction""; ""1.1. Preliminary remarks""; ""1.2. Main results""; ""Chapter 2. Relative isoperimetric inequalities""; ""2.1. Relative presentations and length functions""; ""2.2. Geometry of van Kampen diagrams over relative presentations""; ""2.3. Relative Dehn functions""; ""2.4. Splitting Theorem for relatively finitely presented groups""; ""2.5. Isoperimetric functions of Cayley graphs""; ""Chapter 3. Geometry of finitely generated relatively hyperbolic groups""; ""3.1. Conventions and notation""; ""3.2. Properties of quasigeodesics"" ""3.3. Geodesic triangles in Cayley graphs"" ""3.4. Symmetric geodesics""; ""Chapter 4. Algebraic properties""; ""4.1. Elements of finite order""; ""4.2. Relatively quasiconvex subgroups""; ""4.3. Cyclic subgroups and translation numbers""; ""Chapter 5. Algorithmic problems""; ""5.1. The word and membership problems""; ""5.2. The parabolicity problems""; ""5.3. Algorithmic problems for hyperbolic elements""; ""Open questions""; ""Appendix. Equivalent definitions of relative hyperbolicity""; ""Bibliography""