

1. Record Nr.	UNINA9910480621803321
Autore	Aschenbrenner Matthias <1972->
Titolo	3-manifold groups are virtually residually p // Matthias Aschenbrenner, Stefan Friedl
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2013 ©2013
ISBN	1-4704-1058-3
Descrizione fisica	1 online resource (114 p.)
Collana	Memoirs of the American Mathematical Society, , 1947-6221 ; ; Volume 225, Number 1058
Disciplina	514.34
Soggetti	Group theory Three-manifolds (Topology) Fundamental groups (Mathematics) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 225, Number 1058 (third of 4 numbers)."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Contents""; ""Introduction""; ""The main result""; ""Applications""; ""Properties of linear groups and 3-manifold groups""; ""Outline of the proof strategy""; ""A more general theorem?""; ""Graph manifolds""; ""Guide for the reader""; ""Conventions and notations""; ""Acknowledgments""; ""Chapter 1. Preliminaries""; ""1.1. Filtrations of groups""; ""1.2. Graphs of groups""; ""Chapter 2. Embedding Theorems for π_1 -Groups""; ""2.1. An amalgamation theorem for filtered π_1 -groups""; ""2.2. Extending partial automorphisms to inner automorphisms""; ""Chapter 3. Residual Properties of Graphs of Groups""; ""3.1. Root properties and fundamental groups of graphs of groups""; ""3.2. A criterion for being residually p ""; ""3.3. Unfolding a graph of groups""; ""3.4. A criterion for being virtually residually p ""; ""Chapter 4. Proof of the Main Results""; ""4.1. p -compatible filtrations""; ""4.2. p -compatible filtrations of linear groups""; ""4.3. Proof of the main theorem""; ""4.4. A localization theorem""; ""4.5. Fibered 3-manifolds""; ""Chapter 5. The Case of Graph Manifolds""; ""5.1. p -efficiency""; ""5.2. Cohomological p -completeness""

""5.3. Virtual π_1 -efficiency for arbitrary 3-manifolds?"" ""5.4. The mod
homology graph""; ""Bibliography""; ""Index""
