

1. Record Nr.	UNINA9910788747403321
Autore	Loos Ottmar
Titolo	Locally finite root systems / / Ottmar Loos, Erhard Neher
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2004 ©2004
ISBN	1-4704-0412-5
Descrizione fisica	1 online resource (232 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 171, Number 811
Disciplina	512/.482
Soggetti	Lie superalgebras Root systems (Algebra)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 171, Number 811 (end of volume)."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	<p>""Contents""; ""Introduction""; ""1. The category of sets in vector spaces""; ""2. Finiteness conditions and bases""; ""3. Locally finite root systems""; ""4. Invariant inner products and the coroot system""; ""5. Weyl groups""; ""6. Integral bases, root bases and Dynkin diagrams""; ""7. Weights and coweights""; ""8. Classification""; ""9. More on Weyl groups and automorphism groups""; ""10. Parabolic subsets and positive systems for symmetric sets in vector spaces""; ""11. Parabolic subsets of root systems and presentations of the root lattice and the Weyl group""</p> <p>""12. Closed and full subsystems of finite and infinite classical root systems""; ""13. Parabolic subsets of root systems: classification""; ""14. Positive systems in root systems""; ""15. Positive linear forms and facets""; ""16. Dominant and fundamental weights""; ""17. Gradings of root systems""; ""18. Elementary relations and graphs in 3-graded root systems""; ""Appendix A. Some standard results on finite root systems""; ""Appendix B. Cones defined by totally preordered sets""; ""Bibliography""; ""Index of notations""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""</p> <p>""J""; ""L""; ""M""; ""N""; ""O""; ""P""; ""Q""; ""R""; ""S""; ""T""; ""U""; ""W""; ""Z""</p>

