

P-adic Lie Groups

[DOWNLOAD HERE](#)

Introduction.- Part A: p-Adic Analysis and Lie Groups.- I.Foundations.- I.1.Ultrametric Spaces.- I.2.Nonarchimedean Fields.- I.3.Convergent Series.- I.4.Differentiability.- I.5.Power Series.- I.6.Locally Analytic Functions.- II.Manifolds.- II.7.Charts and Atlases.- II.8.Manifolds.- II.9.The Tangent Space.- II.10.The Topological Vector Space $\text{Can}(M,E)$, part 1.- II.11 Locally Convex K-Vector Spaces.- II.12 The Topological Vector Space $\text{Can}(M,E)$, part 2.- III.Lie Groups.- III.13.Definitions and Foundations.- III.14.The Universal Enveloping Algebra.- III.15.The Concept of Free Algebras.- III.16.The Campbell-Hausdorff Formula.- III.17.The Convergence of the Hausdorff Series.- III.18.Formal Group Laws.- Part B:The Algebraic Theory of p-Adic Lie Groups.- IV.Preliminaries.- IV.19.Completed Group Rings.- IV.20.The Example of the Group $Z_d \cdot p$.- IV.21.Continuous Distributions.- IV.22.Appendix: Pseudocompact Rings.- V.p-Valued Pro-p-Groups.- V.23.p-Valuations.- V.24.The free Group on two Generators.- V.25.The Operator P.- V.26.Finite Rank Pro-p-Groups.- V.27.Compact p-Adic Lie Groups.- VI.Completed Group Rings of p-Valued Groups.- VI.28.The Ring Filtration.- VI.29.Analyticity.- VI.30.Saturation.- VII.The Lie Algebra.- VII.31.A Normed Lie Algebra.- VII.32.The Hausdorff Series.- VII.33.Rational p-Valuations and Applications.- VII.34.Coordinates of the First and of the Second Kind.- References.- Index. EAN/ISBN : 9783642211478 Publisher(s): Springer, Berlin Discussed keywords: Liesche Algebren/Gruppen Format: ePub/PDF Author(s): Schneider, Peter

[DOWNLOAD HERE](#)

Similar manuals: