

Algebra

Hyapp

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1 Topological Algebra

1.1 The Concept of a Topological Space

1.2 Neighborhood Bases

1.3 Continuity. Limits

1.4 Separation and Countability Axioms

1.5 Topological Groups

1.6 Neighborhoods of the Identity

1.7 Subgroups and Factor Groups

1.8 T-Rings and Skew T-Fields

1.9 Group Completion by Means of Fundamental Sequences

1.10 Filters

1.11 Group Completion by Means of Fundamental Sequences

1.12 Topological Vector Spaces

1.13 Ring Completion

1.14 Completion of Skew Fields