

Contents

Introduction	1
Chapter 1. Unstable G -global homotopy theory	5
1.1. Equivariant homotopy theory for monoids	5
1.2. G -global homotopy theory via monoid actions	13
1.3. Tameness	47
1.4. G -global homotopy theory via diagram spaces	57
1.5. Comparison to global homotopy theory	83
Chapter 2. Coherent commutativity	93
2.1. Ultra-commutativity	93
2.2. G -global Γ -spaces	112
2.3. Comparison of the approaches	140
Chapter 3. Stable G -global homotopy theory	153
3.1. G -global homotopy theory of G -spectra	153
3.2. Connections to unstable G -global homotopy theory	174
3.3. G -global spectra vs. G -equivariant spectra	180
3.4. Delooping	182
Chapter 4. G -global algebraic K -theory	193
4.1. Definition and basic properties	193
4.2. G -global versions of the Barratt-Priddy-Quillen Theorem	207
4.3. G -global algebraic K -theory as a quasi-localization	219
Appendix A. Abstract homotopy theory	223
A.1. Quasi-localizations	223
A.2. Some homotopical algebra	231
Bibliography	243