
Contents

	<i>Preface</i>	<i>page vii</i>
1	Unstable global homotopy theory	1
	1.1 Orthogonal spaces and global equivalences	2
	1.2 Global model structure for orthogonal spaces	31
	1.3 Monoidal structures	54
	1.4 Global families	64
	1.5 Equivariant homotopy sets	77
2	Ultra-commutative monoids	92
	2.1 Global model structure	94
	2.2 Global power monoids	110
	2.3 Examples	133
	2.4 Global forms of BO	156
	2.5 Global group completion and units	186
3	Equivariant stable homotopy theory	227
	3.1 Equivariant orthogonal spectra	228
	3.2 The Wirthmüller isomorphism and transfers	261
	3.3 Geometric fixed points	288
	3.4 The double coset formula	305
	3.5 Products	332
4	Global stable homotopy theory	348
	4.1 Orthogonal spectra as global homotopy types	349
	4.2 Global functors	367
	4.3 Global model structures for orthogonal spectra	385
	4.4 Triangulated global stable homotopy categories	409
	4.5 Change of families	430
5	Ultra-commutative ring spectra	461
	5.1 Power operations	462

vi	<i>Contents</i>	
	5.2 Comonadic description of global power functors	481
	5.3 Examples	506
	5.4 Global model structure	524
6	Global Thom and K-theory spectra	543
	6.1 Global Thom spectra	544
	6.2 Equivariant bordism	584
	6.3 Connective global K-theory	626
	6.4 Periodic global K-theory	661
<i>Appendix A</i>	Compactly generated spaces	687
<i>Appendix B</i>	Equivariant spaces	735
<i>Appendix C</i>	Enriched functor categories	793
	<i>References</i>	809
	<i>Index of symbols</i>	819
	<i>Index</i>	822