

5.8. More advanced properties of filters	81
5.9. Misc filtrator properties	86
5.10. Characterization of Binarily Meet-Closed Filtrators	86
5.11. Core Part	87
5.12. Intersection and Joining with an Element of the Core	88
5.13. Stars of Elements of Filtrators	89
5.14. Atomic Elements of a Filtrator	90
5.15. Prime Filtrator Elements	92
5.16. Stars for filters	93
5.17. Generalized Filter Base	94
5.18. Separability of filters	95
5.19. Some Criteria	96
5.20. Co-Separability of Core	98
5.21. Complements and Core Parts	99
5.22. Core Part and Atomic Elements	101
5.23. Distributivity of Core Part over Lattice Operations	102
5.24. Separability criteria	103
5.25. Filtrators over Boolean Lattices	104
5.26. Distributivity for an Element of Boolean Core	105
5.27. More about the Lattice of Filters	106
5.28. More Criteria	106
5.29. Filters and a Special Sublattice	107
5.30. Distributivity of quasicomplements	108
5.31. Complementary Filters and Factoring by a Filter	110
5.32. Pseudodifference of filters	112
5.33. Function spaces of posets	113
5.34. Filters on a Set	118
5.35. Bases on filtrators	121
5.36. Some Counter-Examples	122
5.37. Open problems about filters	126
5.38. Further notation	126
5.39. Equivalent filters and rebase of filters	126
Chapter 6. Common knowledge, part 2 (topology)	135
6.1. Metric spaces	135
6.2. Pretopological spaces	136
6.3. Topological spaces	138
6.4. Proximity spaces	141
6.5. Definition of uniform spaces	142
Part 2. Funcoids and reloids	143
Chapter 7. Funcoids	144
7.1. Informal introduction into funcoids	144
7.2. Basic definitions	145
7.3. Funcoid as continuation	147
7.4. Another way to represent funcoids as binary relations	152
7.5. Lattices of funcoids	153
7.6. More on composition of funcoids	155
7.7. Domain and range of a funcoid	157
7.8. Categories of funcoids	159
7.9. Specifying funcoids by functions or relations on atomic filters	160
7.10. Funcoidal product of filters	164