Corrections To Closed Left Ideal Decompositions of G^*

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3rd October 2017

1. Corrected sentence before Definition 2.1.9 (2.1.8 in original thesis)
2. Specified $\alpha \in I$ some index set in Definition 2.1.18 (2.1.17 in original thesis)
3. Corrected spelling mistakes of "all most" to almost on page 10
4. Corrected spelling mistakes of "where" to "were" on page 34
5. Corrected hypenation of word minimal on page 46
6. Added missing characterization "completely regular" to sentence on page 59
7. Changed "then" to "that" in sentence on page 64
8. Changed "We can now show the final theorem" to "We can now prove the final theorem" on page 67
9. Fixed notation regarding direct sums and products on page 112
10. Fixed sentence "we know" to "we now"
11. Added missing reference Gilman and Jerison, Rings of Continuous Functions to section on Stone-Čech compactifcation
12. Added missing reference Pontryagin, Topological Groups to section defining Topological Groups
13. Corrected capitalization of Abelian throughout thesis
14. The definition 2.1.2 is correct, as a filter on a partially ordered set need not be proper. Added definition 2.1.3 to clarify this.
15. Added missing open clasifier to definition 2.1.18
16. Fixed Theorem 2.1.26 (Theorem 2.1.21 in original thesis) by adding missing regular seperation axiom and moving it after list of seperation axioms

17. Fixed definition 2.1.36 (Theorem 2.1.35 in original thesis) by adding missing non-empty condition to subsets

18. Fixed missing omega lower bound to Theorem 2.2.13 (Theorem 2.2.12 in original thesis)

19. Added missing T_2condition to group topology for Theorem 2.3.6

20. I did not change the example after Theorem 2.4.1, Both examples are correct but I find the p-quasicyclic example more interesting

21. Lemma 2.4.6 is correct, the examiner is confusing the original filter $\mathcal{F}$ and our candidate multiplicative filter ϕ in the given counterexample. By definition of the filter $\phi$the required sequence exists. What has been shown is that $P \notin \phi$

22. Lemma 2.4.7 still requires checking that every chain of multiplicative filters ordered by inclusion has an upper bound. The trivial multiplicative filter $\{G\} \subset \mathcal{F}$ can replace the appeal to lemma 2.4.6 though.

23. Theorem 2.4.8 is correct, by Lemma 2.4.6 we have that $SP(\mathcal{F}) \subset \mathcal{F}$

24. Fixed missing condition that group must be Abelian in Lemma 2.5.2 and fixed subscript mistake on definition of function sequence f_i

25. In Theorem 2.5.8 we know that $g \notin A(k+1, m)$ since m is the maximum of the sequence $\{n_1, n_2, n_3, ..., n_k\}$ and thus $m \geq n_i$

26. This theorem requires the axiom of choice, so I decided to be explicit in its use. Without choice it is not true that a countable subset of an infinite group generates a countable group as quotient spaces can be larger than the original space

27. Fixed missing set braces in proof of Theorem 2.5.12

28. Fixed equation near bottom of page 57 (page 56 in previous Thesis). $\{x\}$ is a zero set since the topology is assumed to be discrete

29. Removed Corollary 3.6.5 as alternative proof is incorrect and thus the alternative proof for Theorem 3.6.6 is incomplete. The results are correct but the standard proofs use machinary not developed in the Thesis

30. Theorem 4.2.15 is correct. Two additional lemmas have been added to Thesis to aid this fact (Lemma 4.2.15 and 4.2.16). In the example given in the comment, p is not in$\beta G \cdot q$, but p is in $I_q = I_p$. If p is a P-point, then $I_p = \beta G \cdot p$, but I_q is not $\beta G \cdot q$, $I_q = I_p$

31. Fixed missing full stops at end of theorem, definition and lemma statements

32. Fixen "Let. Then" statement structures in thesis

33. Fixed spelling mistake "if" to "in" on page 5
34. Fixed statement of Theorem 1.0.9
35. Added missing every to Definition 2.1.32
36. Fixed spelling mistake of "indepth" to "in-depth" throughout thesis
37. replaced phrase "with identity" to "with the identity" thoughout thesis
38. Removed unneccesary $x \in$from Definition 2.4.2
39. The set $\mathcal{F}$ after definition 2.4.4 is a filter as it is definined to be the filter generated by the family of sets
40. The definition of $SP_{i\in\mathbb{N}}F_i$ is standard for the set in the literature
41. Fixed inconsistency of filter name ϕin Lemma 2.4.6
42. Fixed typo of $\in$instead of $\subset$on page 21
43. Added missing proof to Lemma 2.5.3
44. Fixed missing "the" on page 36
45. Fixed typo of G instead of e on page 26
46. Fixed typo of "on" instead of "in" in Definition 2.5.6
47. Fixed typo of $\notin$instead of $\in$for Lemma 2.5.10
48. Fixed typo of "and" instead of "or" in Theorem 2.7.18
49. Fixed capitalization error on page 53
50. Fixed typo of "the" instead of "a" on in Definition 3.1.24
51. Fixed incorrect use of extremely disconnected space with extremally disconnected space throughout thesis
52. Fixed typos in Definition 3.1.28
53. Added missing "regular" and replaced "and" with "such" on page 59
54. Fixed garbled sentence on page 64
55. Added missing "the" on page 69
56. Added missing "space" on page 74
57. Fixed statement of Lemma 3.4.12
58. Added missing characterization of S in Definition 4.1.1
59. Fixed starting word of Definition 4.2.1
60. Fixed spelling of words homogeneous, complement, algebraically