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| Topology 1754 | Page 23 |  |
| Hartman’s theorem | Page 28 |  |
| Ermentrout’s spots versus stripes | Page 37 |  |
| 8 to 6 equation clarification | Page 70 |  |
| Clarification on authorship of experiments | Page 97 |  |
| Clarification on boundaries | Page 113 |  |
| Discussions |  | Rewrote slightly all discussions and added a concluding paragraph at the end of each which discusses the relevance and context. |

* The figure detailing the topology 1754 and the corresponding genetic circuit should be clarified showing the diffusible elements and possibly removing the additional marionette regulators. **DONE**
* In chapter 2, a mention to Hartman theorem should be included in the relevant section. **DONE**
* Also in chapter 2, there should be a reference to the findings compiled in the seminal ‘Striped or spots’ paper written by Ermentrout (1970). **DONE**
* Clarify assumptions made for boundary conditions which also involve fig. 4.15. This section needs better justification and misses a comparison between the size of the domain and the diffusion timescale. The candidate suggested to include new additional information and figures, that could be incorporated to the revised version. **DONE**
* In general the discussions are largely a re-tell of results with some troubleshooting. Discussions of all chapters should detail the relevance of the findings comparing them to the relevant context. **DONE**
* In page 70 a clarificati on should be introduced of the type ‘Equations 3.21 and 3.22 are phenomenological in nature rather than rationally derived from the more complicated model’. We encourage the candidate to include relevant numerical simulations as supplementary information in the manuscript currently in preparation. **DONE**
* At the beginning of chapter 4 please provide a statement crediting the experimental work to the appropriate authors. **DONE**
* We will also be providing a scanned copy of the dissertation with manual annotations detailing additional minor corrections of a typographical or grammatical nature. **DONE**