Path Integral Control Theory

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1 Guidelines for ML assignments

Note: All reports should be handed in before the end of January 2017. Hard deadline is **January 31 at 23.59**. Any questions about the below points please contact me (Hans-Christian Ruiz). For the assignments please refer to the ML course page.

1.1 Requirements to hand in the reports

- Hand in each report as a SINGLE document with all figures, code, etc (other "extra" files will not be considered). Hand in printed in my post box (Ruiz, wing 8, ground floor).
- In addition, hand in the code that can be run stand-alone. Send us an email with a zip-file containing the codes for all assignments. The zip-file should be named with the last names of all group members. Each code in the zip-file should be named as AssignmentName where AssignmentName is: Ising, BM, MNIST, Lasso, Control
- Your name on each report and the name of the corresponding code file in the zip-file that you sent us via email.
- The report should be well structured and clear.
- Figures need to have a caption explaining in detail what they show. 6. No more than 8 pages (excluding references and code) with 12 pts font.

1.2 Minimal requirements of the content

The report for each exercise addresses following points:

- Introduction: summarizes the underlying theory and algorithm(s). It should be a short description of the theoretical background and explanation of the method considered (no more than a page!).
- Problem statement: Itemizes a number of research questions that you address

- Results: Detailed description of the different numerical studies that you have performed with plots and specification of the parameter settings (a) Precise, clear description of what you have done, with the used formulas and the argumentation of why you have done it; e.g. what measure of convergence you used, are there alternatives? (b) Figures with a detailed explanation of what the relevant results are (c) An analysis of the results (for example: is the result as expected? why?/why not? what does the result mean? etc...)

- General discussion/Conclusions: A summary of the main findings and conclusions (no more than half page!)

- Appendix: If the exercise requires to write a code, add the code in the appendix. The code should have the following characteristics (a) Well documented, comments! (b) Suitable structure for readability, e.g. indentation, proper (mnemonic) variable naming. 6. Note: The code will not be evaluated based on whether it is optimized or not, only if it is clearly readable. But, IT MUST RUN STAND- ALONE!