

Exercise 5, Dec 1, 2016 to be handed in December 15

This is a reading and computer simulation exercise. Most of the work is your actual reading and your installing software and running interactive simulation. I strongly encourage you to do that. The hand-in only requires relatively minimal writing, really only as minimal proof that you did this work. You have two weeks time for this. Investing time into this reading/simulation exercise is worthwhile.

Read the Chapter "Dynamic Field Theory" by Gregor Schöner, and Anne Schutte. This is essentially a script of the last three lectures. The chapter is available on the course web page (seventh file from top).

Download COSIVINA by following the instructions at <http://www.dynamicfieldtheory.org/#/software/> or directly navigating to <https://bitbucket.org/sschneegans/cosivina/>. Install COSIVINA and make it run.

1. Write down in one paragraph one point that you now understood better than in the lectures. If you do not find such a point, write down one idea that you understood well in both lecture and chapter.
2. Formulate at least one question you have about the Chapter. This may be a question of clarification, of generalization, or of apparent contradiction/conflict. You may also write a critical comment instead.
3. Do the four exercises that are described in the book chapter. These make use of COSIVINA. The exercises are interactive simulations. So most of this work is just you playing with the simulator and looking at the plots. Write down any difficulty you had, achieving the effects described in the book chapter. In Exercise 2 of the book, there are two direct questions asked to you. Answer these.