Prof. Dr. Gregor Schöner   December 7, 2018

Exercise 5, due December 20, 2018 (2 weeks time)

Read the Chapter "Dynamic Field Theory" by Gregor Schöner, and Anne Schutte from
the book "Dynamic Thinking". The chapter is available on the course web page (near
the top of the list of materials).

   Much of this chapter was covered in the lectures. So your reading can serve to
consolidate your understanding.

1. Around Figure 2.13 desribe what categorical responding means. Think of an
   example for such categorical responding and describe a reaction time study that
   would probe the decision making underlying categorica responding. Inspired by
   the discussion of reaction times in the lecture and in Erlhagen/Schöner (2002),
   can you make a prediction for how the time course of maximal activation depends
   on the metric distance of the localized input to the location of the preshape in
   Figure 2.13? Illustrate...

2. The last paragraph of the chapter (before the discussion) around Figure 2.18 talk
   about the sandbox version of the A not B experiment. Younger toddlers show
   more attraction to A than older toddlers. How does the model bring about that
   difference?

3. Express one thought of your own stimulated by reading the chapter. This could
   again be a point that you understood better than in the lectures (or that you
   understood well in both). You could formulate a question that arose on reading
   the chapter. You could speculate about possible broader implications of what
   you learned. You could even make a critical comment about the chapter.