1. Reading

The goal of this reading assignment is to begin to think about how a modeler finds parameter values.

Read “A detailed predictive model of the mammalian circadian clock” by Forger & Peskin, PNAS, 2003 (emailed by Stephanie)

(1) What makes this model different from that of Leloup and Goldbeter’s 2003 paper?
(2) Explain what it means to “fit” the model to data.
(3) Explain the parameter sensitivity measure they compute.
(4) In what sense is their model “robust”? 