

Homework #5
due Tuesday, October 13th, 2009

Reading: Nishimura, Chapter 7

Problems:

1. Nishimura 6.5
2. **SpinBench Programming:** Run SpinBench, and load the example file called "Spin Echo". Convert the spin echo sequence to a double-spin echo sequence (90 - 180 - echo #1 - 180 - echo #2). Control the sequence using two "Time Intervals". *Hint: one can represent the period from the excitation to the first echo, and one can represent the period from the first echo to the second echo.* Describe any interesting behaviour that occurs when $T_2 < TE$? and when $T_1 < TE$? Submit screen-capture images for both cases.
3. Nishimura 7.1
4. Nishimura 7.3
5. Nishimura 7.4
6. Nishimura 7.5
7. Nishimura 7.6
8. Nishimura 7.7