

## ASSIGNMENTS

### I. Library Tour with Dr. Underwood

There is really not much to say about the 1-hour class with Dr. Underwood. I, like most people who have been to college, have been using library resources extensively for years to facilitate the writing of research papers and thesis dissertations. To have such rudimentary library operations explained, such as the call number system, was (much like the Graduate English Essay Exam) a terrific dishonor to my bachelor's degree and the quality of my undergraduate education. I feel I should not be penalized by what must be the gross academic neglect of other institutions by having to undergo such remedial and time-consuming testing and class-taking. Anyone who, after three weeks of graduate school, has not discovered the basic functioning of their new institution's library should seriously consider the possibility of an advanced course of study (such as graduate work) being beyond their intellectual grasp.

### II. If a typist typing 80 WPM...

Assuming a letter is 8 bytes, a word averages at 7.5 letters, the typist is typing 80 WPM, and working 40 hrs per week, 50 weeks per year, then to fill 650 MB of information would take:

$$\frac{650 * 1024 * 1024 \text{ bytes}}{1} \times \frac{1 \text{ letter}}{1 \text{ byte}} \times \frac{1 \text{ word}}{7.5 \text{ letters}} \times \frac{1 \text{ minute}}{80 \text{ words}} \times \frac{1 \text{ hour}}{60 \text{ minutes}} \times \frac{1 \text{ week}}{40 \text{ hours}} \times \frac{1 \text{ year}}{50 \text{ weeks}} = 9.47 \text{ years}$$

and for 17 GB would take....

$$\frac{17 * 1024 * 1024 * 1024 \text{ bytes}}{1} \times \frac{1 \text{ letter}}{1 \text{ byte}} \times \frac{1 \text{ word}}{7.5 \text{ letters}} \times \frac{1 \text{ minute}}{80 \text{ words}} \times \frac{1 \text{ hour}}{60 \text{ min.}} \times \frac{1 \text{ week}}{40 \text{ hrs.}} \times \frac{1 \text{ year}}{50 \text{ wks.}} = 253.52 \text{ years}$$

### III. Sine wave odd partials equal square wave

see attached graph