

Directions for Remote Laboratory Experiment (E7)

We are testing a remote education tool this semester. You have the option of doing the last experiment remotely via the website:

<http://www.physics.purdue.edu/class/phys152/>

Note the questions at the beginning of the remote lab are for review and are not graded for credit.

You may also perform this identical experiment in your regularly scheduled laboratory session. If you choose to perform the remote version of the experiment you must complete the experiment prior to your regularly scheduled laboratory session. You may access and perform the remote laboratory experiment once you have completed your current E6 laboratory session. If after you start the remote laboratory experiment you wish to stop and instead perform the in-class experiment, just stop and attend your regularly scheduled session. *Reminder: As always complete the E7 Prelab before performing the experiment.*

A broadband connection to the website is highly recommended since the site is video intensive. The site requires Macromedia's Flash driver (free download) that is installed on all ITAP computers. Once you open the site, click on the link to the remote experiment and then follow the instructions. Your laboratory manual has a more complete description of the theory associated with this experiment.

Whether you do the experiment remotely or in-class you will record all your data on a CHIP datasheet that you should open in another browser window. This datasheet is found just below the CHIP Prelab for this experiment through the standard CHIP access page <http://chip.physics.purdue.edu/public/152/spring2005/>. If you work as a group (maximum of 3) on the remote experiment you must each separately login and enter your data into the CHIP datasheet. Only one set of graphs is required from a group. Make sure that the required graphs are attached to a green coversheet with all the names of the group members. Please turn these graphs in as soon as possible after completing the lab. They must be turned in by the end of your regularly scheduled in-class laboratory session. Turn in the graphs to the usual mailboxes in room 139.

The data from the remote lab is stored in Excel spreadsheets. Save the spreadsheets to your computer and open them in Excel. Opening a spreadsheet in the Internet Explorer browser window gives only a limited version of Excel (e.g. no ability to add a trendline). A recent change to Internet Explorer may require you to click Refresh to gain access to the spreadsheet.

Survey

A survey is attached that asks four questions about the remote lab and asks for any additional comments. We'd appreciate your help with this evaluation of this teaching tool. The survey may be returned to the mailbox marked John Yeazell in Room 139. Please do not attach names or any identifying marks to these surveys. Each group member may complete a survey form if they wish.

Contact

Any questions regarding the remote lab or survey may be sent to John Yeazell at jyeazell@purdue.edu.

We'd appreciate the answer to the following 4 survey questions regarding your remote laboratory experience. Your responses are anonymous and voluntary. They will be used in our evaluation of this teaching tool. Please do not include any identifying marks on this survey and return it without a coversheet to the mailbox in Rm 139 marked John Yeazell.

1. Rate how well the remote laboratory functioned technically. Was it fast or slow? Did it crash or function properly? (on a scale of 1 to 5, 5 being Very Well and 1 being Poorly)

Poorly				Very Well
1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. Rate the general environment or atmosphere of the remote laboratory. How well did it convey the experience that you expect of a laboratory experiment? (on a scale of 1 to 5, 5 being Very Well and 1 being Poorly)

Poorly				Very Well
1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. Rate the remote laboratory's ability to teach you the fundamental concepts of simple harmonic motion. How well did it teach you? (on a scale of 1 to 5, 5 being Very Well and 1 being Poorly)

Poorly				Very Well
1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. Compared to your previous in-class laboratory experiments, how did you like the remote lab? (on a scale of 1 to 5, 5 being Much Better and 1 being Much Worse)

Much Worse				Much Better
1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

We would also appreciate any written comments that you wish to make regarding the remote lab.

Thank you very much for your help and best of luck on your exams.