

Name: C1

Date: 5/11/15 9:11

PHY332 Weekly Reflection #6 (E)

Describe a successful moment when you got something to work properly on your project.

After many weeks of setup, we finally got to take a spectrum of our gain material/nanohole chip combination, and it showed several signs of cavity activity which could only have come from the nanoholes.

In what specific ways were you able to contribute to this successful moment?

I did a lot of work on the data analysis which helped us to see and identify the cavity activity once we had the nanohole chips.

Tell me about one of your strengths that is relevant to this successful moment or to the project more generally.

I am fairly proficient in Mathematica programming for data analysis, and I enjoy it so I have spent a lot of time in this project making sense of the data that we have taken.

Compare how you feel to now to how you were feeling before the successful moment.

How have your perceptions changed as a result of the successful moment? Indicate the level of change below.

1 – Much less, 2 – Somewhat less, 3 – About the same, 4 – Somewhat more, 5 – Much more

Compared to before the successful moment, your current level of...

...enjoyment when working on the project: 4

...confidence in your ability to solve problems: 3

Please elaborate on how your level of enjoyment when working on the project changed as a result of this successful moment.

There have been a lot of setbacks, and getting this final data has always seemed like it was several steps away, so finally getting results, and even results in line with our expectations, was exciting.

Please elaborate on how your level of confidence in your ability to solve problems changed as a result of this successful moment.

The alignment and analysis that I did for my part of this successful moment was fairly similar to what I have done earlier in the project. so while I am proud of myself for having done it, it isn't as edifying to solve the same problem a second or third time.

Name: C2

Date: 5/11/15 14:05

PHY332 Weekly Reflection #6 (E)

Describe a successful moment when you got something to work properly on your project.

A success that we had was when we measured the data from the surface plasmon chip, it shifted the wavelength from that seen in the gain material. This is moving in the right direction towards plasmon lasing.

In what specific ways were you able to contribute to this successful moment?

I fabricated all the chips, whether that be the gain only, nano-hole, or both gain and nano-hole.

Tell me about one of your strengths that is relevant to this successful moment or to the project more generally.

One strength that I think helped during the project was being goal oriented. I think this helped move the project along and clarify the specific goals along the way so we never found ourselves just aimlessly taking data.

Compare how you feel to now to how you were feeling before the successful moment.

How have your perceptions changed as a result of the successful moment? Indicate the level of change below.

1 – Much less, 2 – Somewhat less, 3 – About the same, 4 – Somewhat more, 5 – Much more

Compared to before the successful moment, your current level of...

...enjoyment when working on the project: 3

...confidence in your ability to solve problems: 3

Please elaborate on how your level of enjoyment when working on the project changed as a result of this successful moment.

It didn't change significantly because it was one of the final measurements of our lab and we did not see the desired result that we set out to achieve initially.

Please elaborate on how your level of confidence in your ability to solve problems changed as a result of this successful moment.

This was relatively unchanged because although it was a decent result it wasn't what we desired so I did not feel like we solved all the problems that we would have liked to have solved.