

02/02/15 - 11/02/15

## 0.1 Dissertation

```
commit f8acf0a268869ab4e22c654817399d80e744f76a
Author: Robert James <rjames93@sucs.org>
Date:   Sun Feb 22 17:57:12 2015 +0000
```

Simple title page added for my Dissertation.

Changes to be committed:

```
    modified:   1-Introduction/Introduction.tex
    modified:   2-Theory/Theory.tex
    modified:   Dissertation.pdf
    modified:   Dissertation.tex
    new file:   SwanseaLogo.png
    new file:   title.tex
```

```
commit e947e7abc3ad264bed38a52efeb5ea9368ec0e76
Merge: d5a1632 db77ca6
Author: Robert James <rjames93@sucs.org>
Date:   Fri Feb 20 10:01:26 2015 +0000
```

Merge branch 'master' of <https://github.com/rjames93/MastersDissertation>

```
commit d5a1632a174f9dc33f065d76fb8668c4fc122ae2
Author: Robert James <rjames93@sucs.org>
Date:   Fri Feb 20 10:00:54 2015 +0000
```

Cleaning up the LabDiary folder

Changes to be committed:

```
    modified:   Diary.pdf
    deleted:    Diary.tex.bak
```

## 0.2 Code

```
commit 4a8bfaa7654524c4cb8bfd9a9e64f85dfc530539
Author: Robert James <rjames93@sucs.org>
```

Date: Sun Feb 22 18:02:15 2015 +0000

Changes to be committed:

```
modified: .gitignore
modified: main.cpp
modified: param.cfg
modified: potts.cpp
modified: potts.h
new file: template.cfg
```

Ignoring folders with some results in them.

Finished simple  
implementation of the metropolis algorithm. Simple  
algorithm

commit 32d637df5a09746badca898853ff2e64810e3017

Author: Robert James <rjames93@sucs.org>

Date: Fri Feb 20 11:36:02 2015 +0000

On branch master

Changes to be committed:

```
modified: main.cpp
modified: param.cfg
modified: potts.cpp
modified: potts.h
modified: utilityfunctions.cpp
modified: utilityfunctions.h
```

Added empty DO\_UPDATE algorithm going to make it  
take a enum type which determines the UPDATE  
method it uses. Going to write the simple  
metropolis update algorithm next. Added arrays  
for the magnetistaion and energy measurements  
which are stored as public variables in the  
class for later access.