

02/02/15 - 11/02/15

0.1 Dissertation

```
74b0390... 2015-04-21 (10 hours ago)
modified:    ../../LabDiary/17-Mar-2015/Diary.
pdf          modified:    ../../LabDiary/17-
Mar-2015/Diary.tex      modified:
../../LabDiary/17-Mar-2015/Diary.tex.bak
new file:    ../../LabDiary/17-Mar-2015/
q10d20/acceptance.png   new file:    ../../
LabDiary/17-M
```

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M    LabDiary/17-Mar-2015/Diary.pdf
M    LabDiary/17-Mar-2015/Diary.tex
M    LabDiary/17-Mar-2015/Diary.tex.bak
A    LabDiary/17-Mar-2015/q10d20/acceptance.png
A    LabDiary/17-Mar-2015/q10d20/energy.png
A    LabDiary/17-Mar-2015/q10d20/magnetisation.png
A    LabDiary/17-Mar-2015/q10d20/specificheat.png
A    LabDiary/17-Mar-2015/q10d20/susceptibility.png
A    LabDiary/17-Mar-2015/q4d20/acceptance.png
A    LabDiary/17-Mar-2015/q4d20/energy.png
A    LabDiary/17-Mar-2015/q4d20/magnetisation.png
A    LabDiary/17-Mar-2015/q4d20/specificheat.png
A    LabDiary/17-Mar-2015/q4d20/susceptibility.png
A    ProjectReport/2015-04-17/ProjectReport.pdf
A    ProjectReport/2015-04-17/ProjectReport.tex
A    ProjectReport/2015-04-17/SwanseaLogo.png
A    ProjectReport/2015-04-17/q1016x16.png
A    ProjectReport/2015-04-17/q10variousgrid.png
A    ProjectReport/2015-04-17/q2variousgrid.png
A    ProjectReport/2015-04-17/q3variousgrid.png
A    ProjectReport/2015-04-17/q4variousgrid.png
A    ProjectReport/2015-04-17/q8variousgrid.png
A    ProjectReport/2015-04-17/title.tex
A    ProjectReport/2015-04-17/variousq16x16-full.
png
A    ProjectReport/2015-04-17/variousq16x16.png
```

0.2 Code

4435367... 2015-04-21 (10 hours ago)

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modified:  Makefile      new file:   anrange/
collect.sh new file:   anrange/energy
-0.0625/param.cfg      new file:   anrange/
energy-0.1875/param.cfg      new file:
anrange/energy-0.3125/param.cfg      new
file:   anrange/energy-0.4375/param.cfg
      new file:   anrange/energy-0.5625/param
.cfg      new file:   anrange/energy-0.6875/
param.cfg      new file:   anrange/energy
-0.8125/param.cfg      new file:   anrange/
energy-0.9375/param.cfg      new file:
anrange/energy-1.0625/param.cfg      new
file:   anrange/energy-1.1875/param.cfg
      new file:   anrange/energy-1.3125/param
.cfg      new file:   anrange/energy-1.4375/
param.cfg      new file:   anrange/energy
-1.5625/param.cfg      new file:   anrange/
energy-1.6875/param.cfg      new file:
anrange/energy-1.8125/param.cfg      new
file:   anrange/energy-1.9375/param.cfg
      new file:   anrange/param.cfg      new
file:   anrange/run.sh      new file:
anrange/target.list      new file:
anthermtest/8/param.cfg      new file:
anthermtest/averagecriticalenergies.list
      new file:   anthermtest/param.cfg
new file:   anthermtest/q8only.list      new
file:   anthermtest/run.sh      new file:
averageenergyatcrit/param.cfg      new
file:   averageenergyatcrit/q10/10/param.
cfg      new file:   averageenergyatcrit/
q10/12/param.cfg      new file:
averageenergyatcrit/q10/14/param.cfg
      new file:   averageenergyatcrit/q10
/16/param.cfg      new file:
averageenergyatcrit/q10/18/param.cfg
      new file:   averageenergyatcrit/q10

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/20/param.cfg          new file :
averageenergyatcrit/q10/22/param.cfg
    new file:    averageenergyatcrit/q10
/24/param.cfg          new file :
averageenergyatcrit/q10/8/param.cfg
    new file:    averageenergyatcrit/q10
/param.cfg    new file :
averageenergyatcrit/q10/run.sh          new
file:    averageenergyatcrit/q2/10/param.cfg
    new file:    averageenergyatcrit/q2
/12/param.cfg          new file :
averageenergyatcrit/q2/14/param.cfg
    new file:    averageenergyatcrit/q2
/16/param.cfg          new file :
averageenergyatcrit/q2/18/param.cfg
    new file:    averageenergyatcrit/q2
/20/param.cfg          new file :
averageenergyatcrit/q2/22/param.cfg
    new file:    averageenergyatcrit/q2
/24/param.cfg          new file :
averageenergyatcrit/q2/8/param.cfg    new
file:    averageenergyatcrit/q2/param.cfg
    new file:    averageenergyatcrit/q2/run.
sh          new file:    averageenergyatcrit/q3
/10/param.cfg          new file :
averageenergyatcrit/q3/12/param.cfg
    new file:    averageenergyatcrit/q3
/14/param.cfg          new file :
averageenergyatcrit/q3/16/param.cfg
    new file:    averageenergyatcrit/q3
/18/param.cfg          new file :
averageenergyatcrit/q3/20/param.cfg
    new file:    averageenergyatcrit/q3
/22/param.cfg          new file :
averageenergyatcrit/q3/24/param.cfg
    new file:    averageenergyatcrit/q3
/8/param.cfg    new file :
averageenergyatcrit/q3/param.cfg    new
file:    averageenergyatcrit/q3/run.sh
    new file:    averageenergyatcrit/q4
/10/param.cfg          new file :

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averageenergyatcrit/q4/12/param.cfg
    new file:    averageenergyatcrit/q4
/14/param.cfg    new file:
averageenergyatcrit/q4/16/param.cfg
    new file:    averageenergyatcrit/q4
/18/param.cfg    new file:
averageenergyatcrit/q4/20/param.cfg
    new file:    averageenergyatcrit/q4
/22/param.cfg    new file:
averageenergyatcrit/q4/24/param.cfg
    new file:    averageenergyatcrit/q4
/8/param.cfg    new file:
averageenergyatcrit/q4/param.cfg    new
file:    averageenergyatcrit/q4/run.sh
    new file:    averageenergyatcrit/q8
/10/param.cfg    new file:
averageenergyatcrit/q8/12/param.cfg
    new file:    averageenergyatcrit/q8
/14/param.cfg    new file:
averageenergyatcrit/q8/16/param.cfg
    new file:    averageenergyatcrit/q8
/18/param.cfg    new file:
averageenergyatcrit/q8/20/param.cfg
    new file:    averageenergyatcrit/q8
/22/param.cfg    new file:
averageenergyatcrit/q8/24/param.cfg
    new file:    averageenergyatcrit/q8
/8/param.cfg    new file:
averageenergyatcrit/q8/param.cfg    new
file:    averageenergyatcrit/q8/run.sh
    new file:    averageenergyatcrit/run.
sh    new file:    fulltest/param.cfg    new
file:    fulltest/run.sh    new file:
fulltest/setup.sh    modified:    main.cpp
    modified:    metropolis.cpp    modified
:    param.cfg    modified:    potts.cpp
modified:    potts.h    modified:
utilityfunctions.cpp    new file:
wanglandau.cpp

```

M Makefile

```

A      anrange/collect.sh
A      anrange/energy -0.0625/param.cfg
A      anrange/energy -0.1875/param.cfg
A      anrange/energy -0.3125/param.cfg
A      anrange/energy -0.4375/param.cfg
A      anrange/energy -0.5625/param.cfg
A      anrange/energy -0.6875/param.cfg
A      anrange/energy -0.8125/param.cfg
A      anrange/energy -0.9375/param.cfg
A      anrange/energy -1.0625/param.cfg
A      anrange/energy -1.1875/param.cfg
A      anrange/energy -1.3125/param.cfg
A      anrange/energy -1.4375/param.cfg
A      anrange/energy -1.5625/param.cfg
A      anrange/energy -1.6875/param.cfg
A      anrange/energy -1.8125/param.cfg
A      anrange/energy -1.9375/param.cfg
A      anrange/param.cfg
A      anrange/run.sh
A      anrange/target.list
A      anthermtest/8/param.cfg
A      anthermtest/averagecriticalenergies.list
A      anthermtest/param.cfg
A      anthermtest/q8only.list
A      anthermtest/run.sh
C066   param.cfg          averageenergyatcrit/param.cfg
C061   param.cfg          averageenergyatcrit/q10/10/
      param.cfg
C061   param.cfg          averageenergyatcrit/q10/12/
      param.cfg
C061   param.cfg          averageenergyatcrit/q10/14/
      param.cfg
C061   param.cfg          averageenergyatcrit/q10/16/
      param.cfg
C061   param.cfg          averageenergyatcrit/q10/18/
      param.cfg
C061   param.cfg          averageenergyatcrit/q10/20/
      param.cfg
C061   param.cfg          averageenergyatcrit/q10/22/
      param.cfg
C061   param.cfg          averageenergyatcrit/q10/24/

```

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    param . cfg
C061    param . cfg          averageenergyatcrit/q10/8/
    param . cfg
C061    param . cfg          averageenergyatcrit/q10/param .
    cfg
A        averageenergyatcrit/q10/run . sh
C061    param . cfg          averageenergyatcrit/q2/10/
    param . cfg
C061    param . cfg          averageenergyatcrit/q2/12/
    param . cfg
C061    param . cfg          averageenergyatcrit/q2/14/
    param . cfg
C061    param . cfg          averageenergyatcrit/q2/16/
    param . cfg
C061    param . cfg          averageenergyatcrit/q2/18/
    param . cfg
C061    param . cfg          averageenergyatcrit/q2/20/
    param . cfg
C061    param . cfg          averageenergyatcrit/q2/22/
    param . cfg
C061    param . cfg          averageenergyatcrit/q2/24/
    param . cfg
C062    param . cfg          averageenergyatcrit/q2/8/param
    . cfg
C065    param . cfg          averageenergyatcrit/q2/param .
    cfg
A        averageenergyatcrit/q2/run . sh
C061    param . cfg          averageenergyatcrit/q3/10/
    param . cfg
C061    param . cfg          averageenergyatcrit/q3/12/
    param . cfg
C061    param . cfg          averageenergyatcrit/q3/14/
    param . cfg
C061    param . cfg          averageenergyatcrit/q3/16/
    param . cfg
C061    param . cfg          averageenergyatcrit/q3/18/
    param . cfg
C061    param . cfg          averageenergyatcrit/q3/20/
    param . cfg
C061    param . cfg          averageenergyatcrit/q3/22/
    param . cfg

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C061	param.cfg	averageenergyatcrit/q3/24/
	param.cfg	
C062	param.cfg	averageenergyatcrit/q3/8/param
	.cfg	
C061	param.cfg	averageenergyatcrit/q3/param.
	cfg	
A		averageenergyatcrit/q3/run.sh
C061	param.cfg	averageenergyatcrit/q4/10/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q4/12/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q4/14/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q4/16/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q4/18/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q4/20/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q4/22/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q4/24/
	param.cfg	
C062	param.cfg	averageenergyatcrit/q4/8/param
	.cfg	
C061	param.cfg	averageenergyatcrit/q4/param.
	cfg	
A		averageenergyatcrit/q4/run.sh
C061	param.cfg	averageenergyatcrit/q8/10/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q8/12/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q8/14/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q8/16/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q8/18/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q8/20/
	param.cfg	
C061	param.cfg	averageenergyatcrit/q8/22/

```

    param.cfg
C061    param.cfg          averageenergyatcrit/q8/24/
    param.cfg
C062    param.cfg          averageenergyatcrit/q8/8/param
    .cfg
C061    param.cfg          averageenergyatcrit/q8/param.
    cfg
A        averageenergyatcrit/q8/run.sh
A        averageenergyatcrit/run.sh
A        fulltest/param.cfg
A        fulltest/run.sh
A        fulltest/setup.sh
M        main.cpp
M        metropolis.cpp
M        param.cfg
M        potts.cpp
M        potts.h
M        utilityfunctions.cpp
A        wanglandau.cpp

```

0.3 Data