

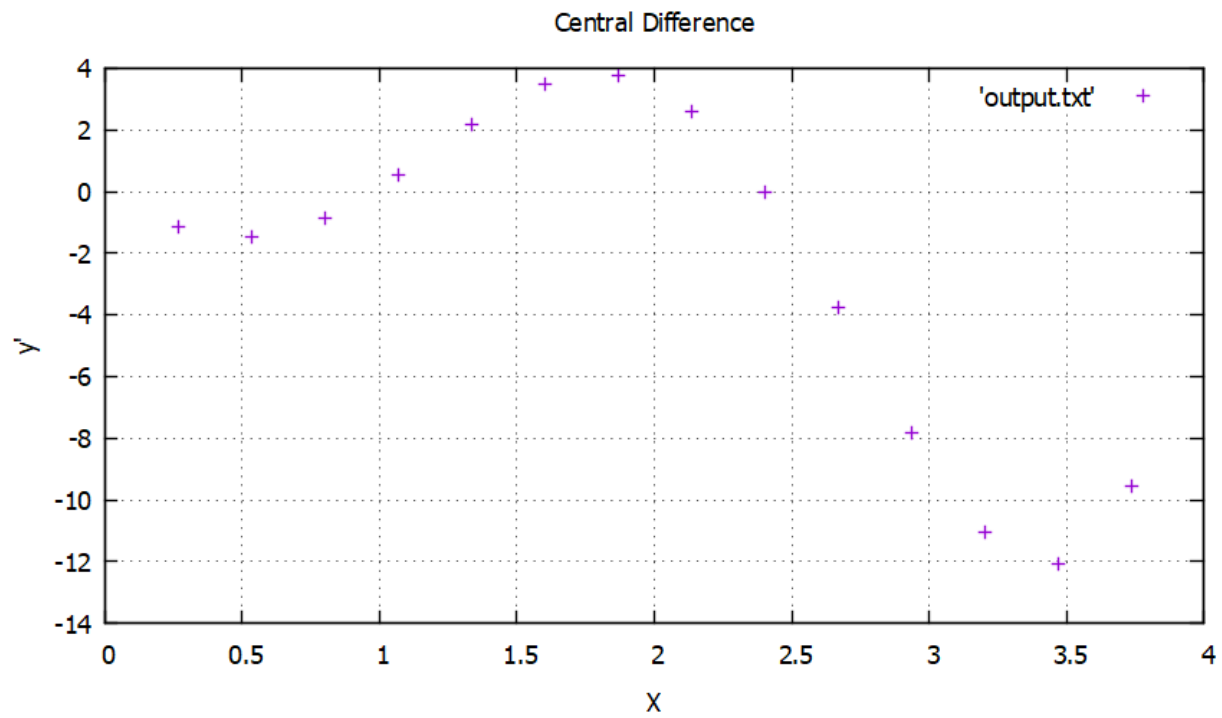
Riley Payung

CDS 251

04/09/2020

Lab 9 & Homework 9

Lab 9



See next page for homework 9 →

Homework 9

h-value	1.0	0.5	0.25
Answer	0.322977036	0.371464789	0.381022096
A-Error	5.41276038E-02	5.63985109E-03	-3.91745567E-03
R-Error	14.3534708%	1.49556661%	-1.03882456%

```
rcpay@LAPTOP-JLCSIJ2T /cygdrive/c/users/rcpay/documents/college/spring 2020/cds
251/hw9
$ ./homework9
Please enter the lower limit of integration
0
Please enter the upper limit of integration
3
Please enter the increment
1
calculated: 0.322977036
Abs Error: 5.41276038E-02
Relative: 14.3534708 %

rcpay@LAPTOP-JLCSIJ2T /cygdrive/c/users/rcpay/documents/college/spring 2020/cds
251/hw9
$ ./homework9
Please enter the lower limit of integration
0
Please enter the upper limit of integration
3
Please enter the increment
0.5
calculated: 0.371464789
Abs Error: 5.63985109E-03
Relative: 1.49556661 %

rcpay@LAPTOP-JLCSIJ2T /cygdrive/c/users/rcpay/documents/college/spring 2020/cds
251/hw9
$ ./homework9
Please enter the lower limit of integration
0
Please enter the upper limit of integration
3
Please enter the increment
0.25
calculated: 0.381022096
Abs Error: -3.91745567E-03
Relative: -1.03882456 %
```