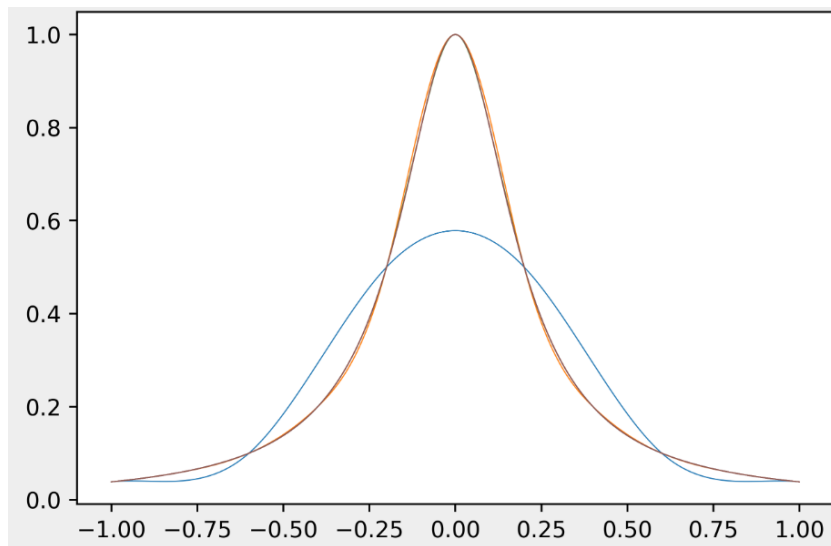# Report of Project

Ling Siu Hong
3200300602
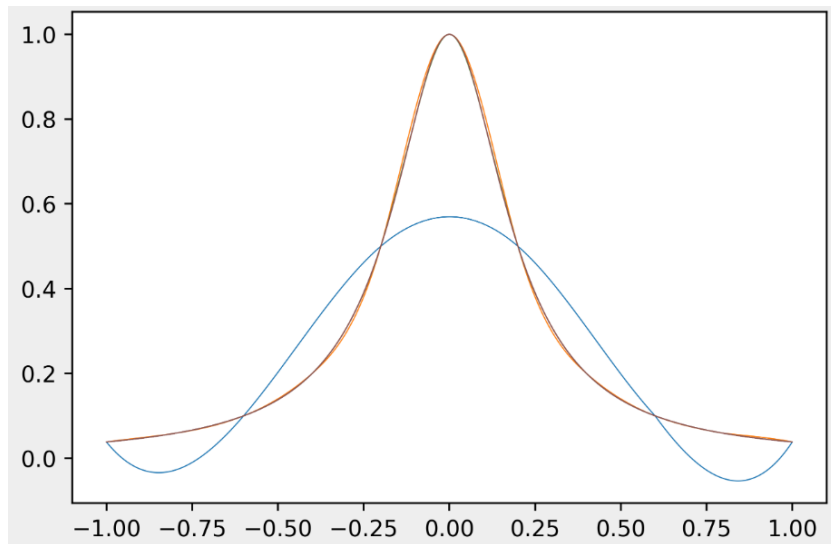
January 3, 2023

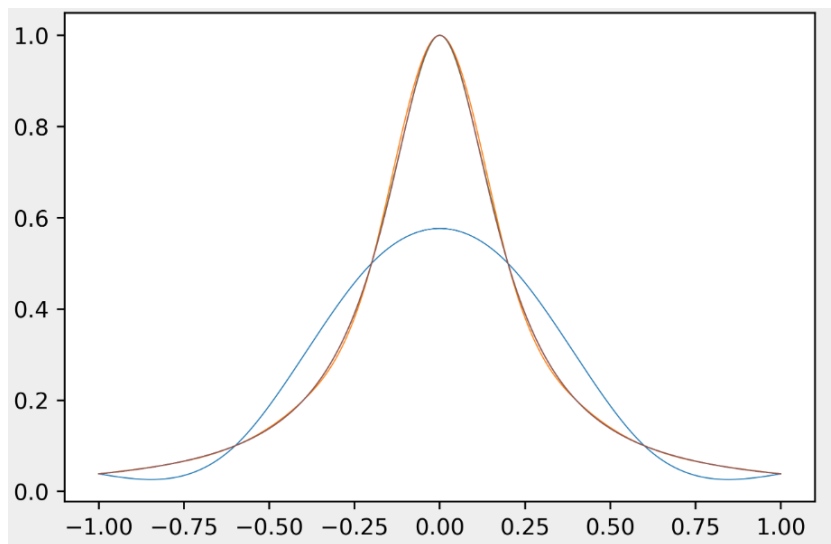**I** :

1. Result of complete cubic spline

.

2. Result of not a knot cubic spline

.

3. Result of cubic spline with second derivative

.

```
Microsoft Visual Studio Debug Console                                                    —  □  ×

The error maximun norm  of cubic complete spline for 6 is 0.41285
The error maximun norm  of cubic complete spline for 11 is 0.0205618
The error maximun norm  of cubic complete spline for 21 is 0.00316897
The error maximun norm  of cubic complete spline for 41 is 0.000290328
The error maximun norm  of cubic complete spline for 81 is 2.61131e-05

The error maximun norm  of cubic spline with specified second derivative for  6 is 0.43181
The error maximun norm  of cubic spline with specified second derivative for  11 is 0.0205378
The error maximun norm  of cubic spline with specified second derivative for  21 is 0.00316895
The error maximun norm  of cubic spline with specified second derivative for  41 is 0.000275356
The error maximun norm  of cubic spline with specified second derivative for  81 is 1.609e-05

The error maximun norm  of not a knot complete spline for 6 is 0.440966
The error maximun norm  of not a knot complete spline for 11 is 0.0205337
The error maximun norm  of not a knot complete spline for 21 is 0.00316894
The error maximun norm  of not a knot complete spline for 41 is 0.0402958
The error maximun norm  of not a knot complete spline for 81 is 1.609e-05

C:\Users\user\source\repos\项目作业\x64\Release\项目作业.exe (process 9880) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```

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