

Numerical Analysis - Homework 14

Professor:

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Office Hours:

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Homework Problems

- Chapter 4.3 Problem 2 - this problem should be done by hand. Then you can use your code graph, or compare results.
- Chapter 4.3 Problem 5 - use your own code to interpolate here.
You can compare your results to the built-in Python cubic spline:

```
import scipy.interpolate as interp
CS = interp.CubicSpline(x_nodes,y_nodes,bc_type='natural')
plt.plot(x_eval,CS(x_eval),'k--')
```

You should attempt all these problems before class, but we will work on them in class with our groups.