# Weekly Report

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# 1 Progress

This week I finished replicating the results of 5.1.1 and 5.3.1 from Chen et al. Using this code gave the following tables. The exact values I am getting are different than what I see in the paper. I am achieving above third order accuracy and my errors are lower than theirs so I am happy with these results.

#### 5.1.1

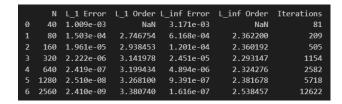


Figure 1: This plot is an attempt to reproduce the results from Table 1 in Chen et al.

#### 5.3.1

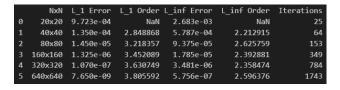


Figure 2: This plot is an attempt to reproduce the results from Table 3 in Chen et al.

## 2 To Do

This is everything that I have been asked to do thus far. What is the next step?