

CE EN 507: Coding Assignment 2

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1 Part 1

1.1

A plot of the error is shown in fig. 1. The slope of a x^a in the loglog space is equal to the power, a . Thus, the slopes are expected to around $p + 1$.

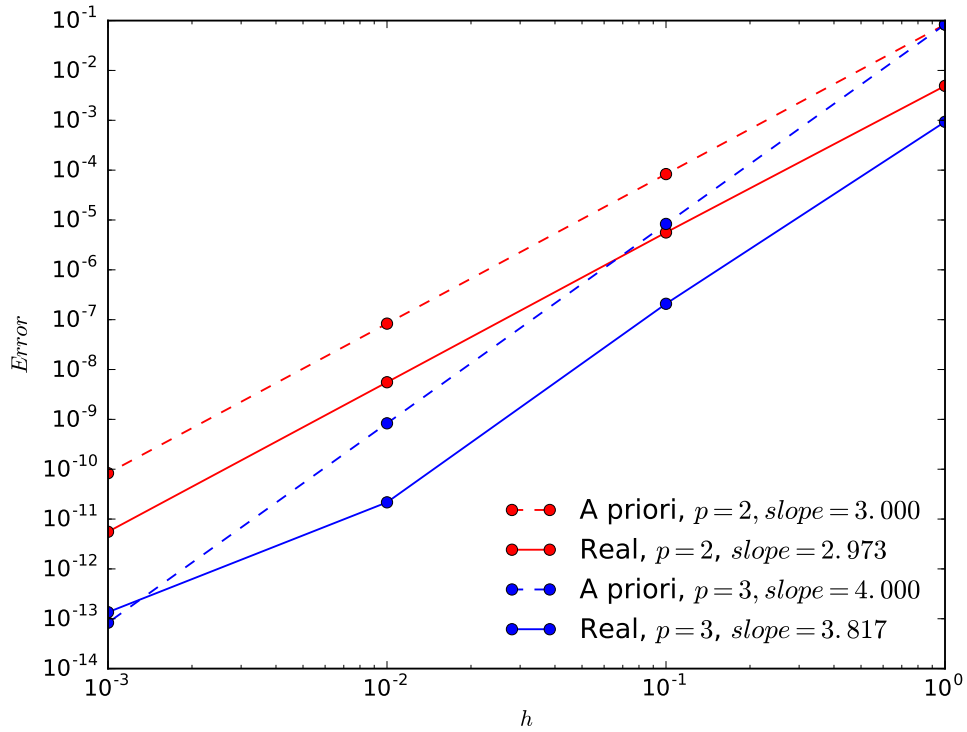


Figure 1: Error versus element length

A plot of the error versus the number of nodes is shown in fig. 2.

1.2

2 Part 2

2.1

2.2

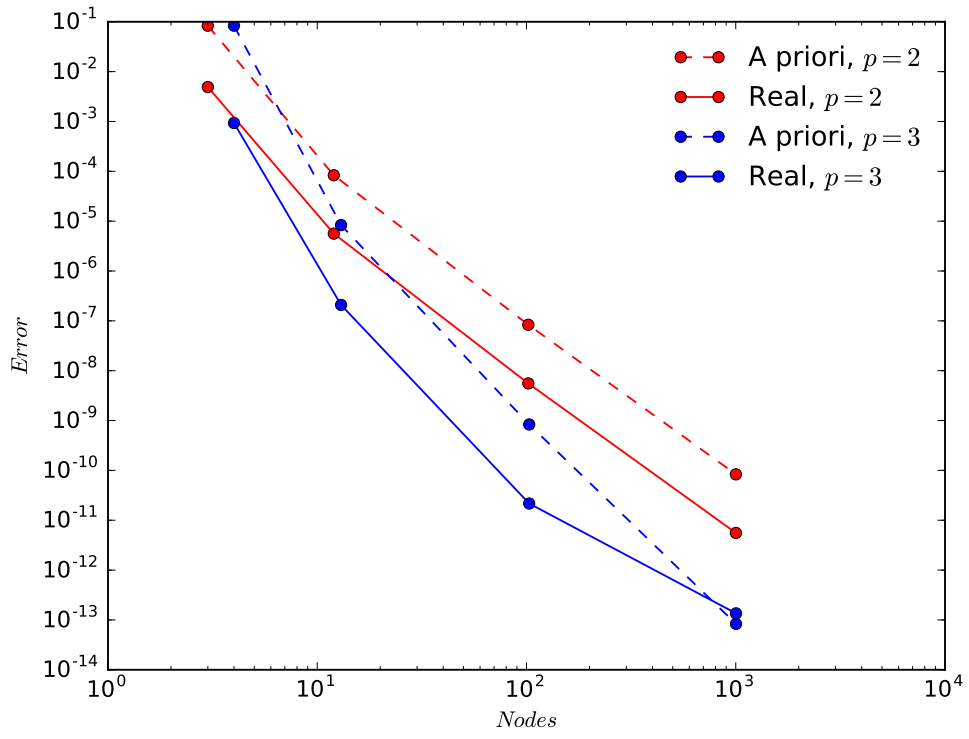


Figure 2: Error versus the number of nodes