

CISC271
Fall 2005
Homework for week 6
in preparation for quiz 2

This homework is about norms and condition numbers.

Recktenwald Chapter 8. questions 22, 30, 31, and 35.

For question 22 determine the condition numbers of the matrices used to obtain the interpolating parabola.

For question 35 repeat the experiments using $\mathcal{K}_1(A)$ and $\mathcal{K}_\infty(A)$.