SF2520 - Laboratory 7

Goyens Florentin & Weicker David

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Introduction

This report answers the question given in the seventh laboratory for the course SF2520 - "Applied Numerical Methods". This laboratory is in the numerical algebra part. The first question concerns a stable QR-factorization for ill-posed systems and the second is about solving the least squares problem using a QR-factorization.

1 Stable QR-factorization

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2 Least Squares with QR-factorization

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