Unified Quiz 3S
November 7, 2003

One 8 1/2” x 11” sheet (two sides) of notes allowed.

Calculators allowed.

Calculators may NOT be used for eigenvalue / eigenvector calculation or for solving matrix equations

No books allowed.

- Put your name on each page of the exam.
- Read all questions carefully.
- Do all work for each problem on the two pages provided.
- Show intermediate results.
- Explain your work --- don’t just write equations. Any problem (except multiple choice) without an explanation can receive no better than a “B” grade.
- Partial credit will be given, but only when the intermediate results and explanations are clear.
- Please be neat. It will be easier to identify correct or partially correct responses when the response is neat.
- Show appropriate units with your final answers.
- Box your final answers.

Exam Scoring

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<thead>
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<th>#1 (25%)</th>
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<td>#2 (20%)</td>
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Total $\text{Total} \times 100 = 75$