

# Department of Mathematical Sciences

## Lecture Series

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### *Error Control in Scientific Computations*

1. Sources of errors. Mathematical tools. A priori error estimates (Monday 04-17)
2. A posteriori error estimates based on negative norm of residuals (Tuesday 04-18)
3. Error estimates based on adjoint problem. Error control using post-processing (Wednesday 04-19)
4. New two-sided error estimates for global and local error control (Thursday 04-20)

**Lectures will take place on April 17 – 20, 2006**  
**6 – 7 pm in Bell Hall 125**

For further information, please contact:  
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