FY 2006 Technology Fee Proposal

Submitting Organization:
   Major Unit: College of Arts and Sciences
   Department: Department of Physics and Astronomy

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   Telephone: 1-2279

1. Project Short Title

   Instructional Lab Software

2. Total Requested

   Fiscal Year 2006
   $ 3,920

3. Executive Summary

   Project Description (three or four sentences)
   To provide specialized software for technical data analysis, technical graphing, image analysis
   and processing, and graphic composition for use by graduate students in the Physics and
   Astronomy Ph.D. programs.

4. Project Description

   Advanced software packages are heavily used by graduate students in the department’s Ph.D.
   programs. Approximately 50 students are enrolled in the department’s graduate programs and
   approximately 80% of these students are fully-supported with a combination of laboratory and
   research assistantships. This software will assist these students’s in their research by providing tools
   for data reduction and graphical presentation.

5. Record the review numbers assigned by IS&T and Facilities. Their assessments must be included in
   Sections 16 and 17.

   IS&T: IST06-044
   Facilities: 14021-05

6. Relevance to Regents Guidelines

   This request is made under Regents Guidelines items 1, 2, and 3.

7. Relevance to Strategic Plan(s)

   The purpose of this request is to provide access for students to productivity and discipline-specific
   software packages. Technical software such as Origin Pro permit data and image analysis
   appropriate for the disciplines of Physics and Astronomy, and advances the quality of the student’s
   work and the quality of their training.
8. Impact on Students Served

Number of students served by this request: 50 graduate students.
<table>
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<tr>
<th>Object of Expense</th>
<th>Itemized Descriptions</th>
<th>Quantity</th>
<th>Per unit price</th>
<th>Extended Total</th>
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</thead>
<tbody>
<tr>
<td>Supplies</td>
<td>Origin Pro 7.0</td>
<td>8</td>
<td>$490.00</td>
<td>$3,920.00</td>
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<tr>
<td>Equipment</td>
<td>Item 1</td>
<td></td>
<td></td>
<td>$0.00</td>
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<tr>
<td>Software</td>
<td>Item 1</td>
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<td></td>
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<tr>
<td>Maintenance or Contractual Services</td>
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<td>Construction Services</td>
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<td>Network Connections and Infrastructure Costs</td>
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<td>Fringe Benefits</td>
<td>Item 1</td>
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</table>

Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)

Board of Regents Guidelines state "Technology fee revenues may be used - with caution - for new staffing that is either temporary or ongoing." (See Attachment 1, #6)
10. Consequences of Partial Funding

Origin Pro is bundled as an 8 user license. FlexLM is used to serve the license. We already have a license server running. Partial funding would not permit us to purchase the 8 user bundle.

Only 50% funded: see above explanation

11. Standard Dollar Amounts

Suitable computers are already in place.

12. Standard Replacement Thresholds

The computers currently in place meet or exceed university minimum standards.

13. Prerequisite, Non-Technology Fee Funding

N/A

14. Matching Funds

N/A

15. Staffing and Other Support Availability

N/A

16. Space Availability and Impact on Facilities

This project does not impact facilities.

17. Impact on Computing/Networking/Security Infrastructure

IS&T Review # IST06-044

Security: No issues

Network: No network impact expected.

Software: Adobe Acrobat available at MSD for $28 per copy plus $5 for cd. Origin and Mathtype not available through MSD.

18. Post-Project Assessment Criteria

Purchase and install license --- Fall Semester 2005
Install software --- December 2005

19. Review and Acknowledgements

N/A