

## Budget Justification Page

A SENIOR PERSONNEL: The PI is requesting 2/9 of his regular salary (two months summer support). This request is based on his current annual salary with 4% increase for each successive year.

B OTHER PERSONNEL: The PI is requesting 9 months of graduate student support per year: **\$2124**/month salary with an increase of 4% in years 2 and 3, and **\$2870**/quarter tuition with an increase of 7% in years 2 and 3.

C FRINGE BENEFITS:

1. Fringe benefits for summer salary will be 23.8% each year.
2. Fringe benefits for graduate students will be 13.4% each year.

D EQUIPMENT:

- **Memory upgrade** to computation server: 64GB RAM memory upgrade (16 x 4GB DIMMS) to the PI's 16-core Opteron server: **\$13840** parts and **\$410** labor.

E TRAVEL:

1. **Domestic:** Travel periodically to meet with collaborators: **\$500**. Attend the winter American Math Society meeting: **\$500**/year.
2. **Foreign:** Two summers travel to Germany, France, and Spain to attend summer conferences and work: **\$2000**/year.
3. **Visitors:** Support for two months of visitor support, so the PI's collaborators can visit UW and work on research with him: **\$12000**/year.

G OTHER DIRECT COSTS:

1. **Material and Supplies:**

- Money for **scientific books** which will be required to conduct research. For example, money to purchase books that describe new computer technology. **\$500**/year.
- **Portable computer:** **\$2500** for an Apple MacBook Pro laptop, which will be used by the PI for interactive presentations of research results, development of software and databases, and complex computations during presentations or when Internet access is not available to the PI.

I INDIRECT COSTS: Facilities and Administrative costs of 55.5% (and 56% in years 2 and 3) are based on the University of Washington's current indirect cost rate with DHHS, negotiated on 7/15/05, and are applied only to Modified Total Direct Costs.