Research Experience for Undergraduates
Summer 2011
Ohio Wesleyan University
INTERDISCIPLINARY SCIENTIFIC COMPUTATION
May 16 – July 22

Projects are focused on scientific computation in the following fields:
ASTRONOMY, COMPUTER SCIENCE, MATHEMATICS, PHYSICS

• RESEARCH TOPICS: STELLAR SURFACE IMAGING, NUCLEAR STRUCTURE OF PROTON-RICH NUCLEI, STATISTICAL INFERENCE WITH DATA SUBJECTED TO CENSORING, STUDYING THE PARTICLE PROPERTIES OF DARK MATTER, SHARED SHORTEST PATHS IN GRAPHS, QUANTUM BRAID GROUP REPRESENTATIONS, DYNAMICS OF JOSEPHSON JUNCTIONS.

• SUPPORT: $4400 STIPEND (FOR 10 WEEKS), HOUSING PROVIDED, FOOD ALLOWANCE, TRAVEL FUNDS.

• ELIGIBILITY: APPLICANTS MUST BE U.S. CITIZENS OR PERMANENT RESIDENTS AND MUST BE FULL-TIME UNDERGRADUATE STUDENTS. PREFERENCE WILL BE GIVEN TO STUDENTS WITH LIMITED RESEARCH OPPORTUNITIES AT THEIR HOME INSTITUTIONS AND/OR WHO HAVE NOT HAD A FOCUSED RESEARCH EXPERIENCE. MINORITIES AND WOMEN ARE ESPECIALLY ENCOURAGED TO APPLY.

• REVIEW OF APPLICATIONS WILL BEGIN MARCH 14, 2011 AND WILL CONTINUE UNTIL ALL POSITIONS ARE FILLED.
• For more information, see http://reu.owu.edu or contact: Dr. Brad Trees at brtrees@owu.edu, 740-368-3776.

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