

Small Allocations Committee for NCSA Award Report (for April-June 2003)

Submission dates starting from 4/1/2003 and ending on 6/30/2003.

Principal Investigator: Pia Alburquerque
Institution: Grambling State University
Proposal Number: CHE030063
Proposal Type: New
Proposal Title: Kinetic Studies of Metal-Catalyzed Coupling Reaction of Nitrile

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Diego Altomare
Institution: Univ of South Carolina
Proposal Number: CTS030035
Proposal Type: New
Proposal Title: Molecular Dynamics Study of the Interactions Nafion-Pt Nanoclusters

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Ryoichi S. Amano
Institution: Univ of Wisconsin, Milwaukee
Proposal Number: ECS030006
Proposal Type: New
Proposal Title: Fluid Mechanics and Heat Transfer Prediction

Resources(SUs): **Approved**
NCSA IBM P690 3,000
NCSA IA32 Linux Supercluster 3,000
NCSA IA64 Linux Supercluster 4,000

Principal Investigator: Roger Baetzold
Institution: Univ of Rochester
Proposal Number: DMR030030
Proposal Type: New
Proposal Title: Density-functional Study of the Effects of Adsorbates on the Morphology of Nanoparticles
Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Shanker Balasubramaniam
Institution: Michigan State Univ
Proposal Number: ECS010003
Proposal Type: Renewal
Proposal Title: Development and Application of High Performance Algorithms for Transient Electromagnetic
Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Perla Beatriz Balbuena
Institution: Univ of South Carolina
Proposal Number: CTS030036
Proposal Type: New
Proposal Title: Ab-initio calculations of PAMAM-G0 dendrimers and their interactions with metal ions
Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Michael Bendikov
Institution: Univ of California, Los Angeles
Proposal Number: CHE030068
Proposal Type: New
Proposal Title: From Oligoacenes to Graphite. Theoretical Study of Stabilities of Polyaromatic Hydrocarbons.
Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Thomas C. Bruice
Institution: Univ of California, Santa Barbara
Proposal Number: MCB030051
Proposal Type: New
Proposal Title: Computational studies on the mechanism of aspartate and glutamate racemase

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Jeff Budiman
Institution: Illinois Institute of Technology
Proposal Number: MSS020013
Proposal Type: Renewal
Proposal Title: Tunneling in Sand

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: William Buttlar
Institution: Univ of Illinois, Urbana
Proposal Number: MSS030009
Proposal Type: New
Proposal Title: 3-D Nonlinear Finite Element Modeling of Reflective Crack Control Treatments over Portland Cement Concrete Airport Pavement: Phase II

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Jinx Campbell
Institution: Univ of Illinois, Urbana
Proposal Number: DEB030013
Proposal Type: New
Proposal Title: Phylogenetics of Aquatic Ascomycetes

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 5,000
NCSA IA64 Linux Supercluster 5,000

Principal Investigator: Pablo Carrica
Institution: Univ of Iowa
Proposal Number: MSS030019
Proposal Type: New
Proposal Title: RANS Simulation of Free-Surface Flows Using Level-Set Techniques in Complex Three-Dimensional Geometries

Resources(SUs): NCSA IBM P690 **Approved**
10,000

Principal Investigator: Andrew A. Chien
Institution: Univ of California, San Diego
Proposal Number: ASC030026
Proposal Type: New
Proposal Title: Large Scale Modelling of the Computational Grid

Resources(SUs): NCSA IA32 Linux Supercluster **Approved**
10,000

Principal Investigator: Jungyeon Cho
Institution: Univ of Wisconsin, Madison
Proposal Number: AST030023
Proposal Type: New
Proposal Title: Flows, Turbulence, and Mixing

Resources(SUs): NCSA IA32 Linux Supercluster **Approved**
10,000

Principal Investigator: Thomas Clancy
Institution: National Research Council
Proposal Number: DMR030043
Proposal Type: New
Proposal Title: Simulation of Polymer Nano-Composites

Resources(SUs): NCSA IBM P690 **Approved**
10,000

Principal Investigator: William Cornwell
Institution: Stanford Univ
Proposal Number: DEB030012
Proposal Type: New
Proposal Title: NSF Graduate Fellowship Program

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 5,000

Principal Investigator: LeRay Dandy
Institution: North Carolina Supercomputer Center
Proposal Number: MSS030020
Proposal Type: New
Proposal Title: Progressive Damage in Thick and Thin Composite Laminates

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Ashim K. Datta
Institution: Cornell Univ
Proposal Number: DDM030005
Proposal Type: New
Proposal Title: Combination Microwave and Infrared Heating: Numerical Modeling

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Ewa Deelman
Institution: USC Information Sciences Institute
Proposal Number: CCR030014
Proposal Type: New
Proposal Title: Workflow Management in Grids

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Pedro A. Derosa
Institution: Univ of South Carolina
Proposal Number: PHY030013
Proposal Type: New
Proposal Title: Electron Transport in Molecules

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Phillip Dickens
Institution: Illinois Institute of Technology
Proposal Number: CCR020003
Proposal Type: Renewal
Proposal Title: FOBS: A High Performance Data Transfer Mechanism

Resources(SUs): **Approved**
NCSA IBM P690 1,000
NCSA IA64 Linux Supercluster 9,000

Principal Investigator: Robert H. Dodds Jr.
Institution: Univ of Illinois, Urbana
Proposal Number: MSS030016
Proposal Type: New
Proposal Title: 3-D Modeling of Fatigue Crack Closure

Resources(SUs): **Approved**
NCSA IBM P690 5,000

Principal Investigator: Fikret Ercal
Institution: Univ of Missouri, Rolla
Proposal Number: ASC030019
Proposal Type: Renewal
Proposal Title: EST Clustering

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 10,000

Principal Investigator: Miaolin Feng
Institution: Univ of Nevada, Reno
Proposal Number: MSS020010
Proposal Type: Renewal
Proposal Title: A Numerical Study of Crystal Plasticity under Cyclic Loading

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Robert A Fiedler
Institution: Univ of Illinois, Urbana
Proposal Number: ASC030027
Proposal Type: New
Proposal Title: Porting, Tuning, and Benchmarking of CSAR Codes

Resources(SUs): **Approved**
NCSA IBM P690 6,000
NCSA IA32 Linux Supercluster 2,000
NCSA IA64 Linux Supercluster 2,000

Principal Investigator: Marcelo Garcia
Institution: Univ of Illinois, Urbana
Proposal Number: CTS020030
Proposal Type: Renewal
Proposal Title: Environmental Multiphase Flow Modeling

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Lev Gelb
Institution: Washington Univ
Proposal Number: DMR030042
Proposal Type: New
Proposal Title: Molecular Simulation of Sol-Gel Materials

Resources(SUs): **Approved**
NCSA IBM P690 2,000
NCSA IA32 Linux Supercluster 4,000
NCSA IA64 Linux Supercluster 4,000

Principal Investigator: Charles C. Goodrich
Institution: Boston College
Proposal Number: ATM030008
Proposal Type: New
Proposal Title: Center for Intergrated Space Weatherr Modeling Partner with NCSA project

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Thomas J. Hanratty
Institution: Univ of Illinois, Urbana
Proposal Number: CTS030039
Proposal Type: New
Proposal Title: Wall Turbulence

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: K. Jimmy Hsia
Institution: Univ of Illinois, Urbana
Proposal Number: DMR030040
Proposal Type: New
Proposal Title: Molecular Dynamics Simulations of Collapse of Carbon Nanotubes

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Lam Hui
Institution: Fermi Natl Accelerator Lab
Proposal Number: AST030027
Proposal Type: New
Proposal Title: Simulations of the Lyman-alpha Forest

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Sheldon Jacobson
Institution: Univ of Illinois, Urbana
Proposal Number: DDM030004
Proposal Type: New
Proposal Title: A Neighborhood Mixing Framework with Multilevel Heuristics for the Traveling Salesman Problem

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: William Jenks
Institution: Iowa State Univ
Proposal Number: CHE030071
Proposal Type: New
Proposal Title: Photochemistry of Sulfoxides and Analogs

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Efthimios Kaxiras
Institution: Harvard Univ
Proposal Number: DMR030044
Proposal Type: New
Proposal Title: Ab Initio Electronic Structure Calculations on MoO₃ Nanostructures

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Yiannis N. Kaznessis
Institution: Univ of Minnesota, Minneapolis
Proposal Number: MCB030034
Proposal Type: New
Proposal Title: Modeling and Design of Antimicrobial Peptides

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Athol Kemball
Institution: Univ of Illinois, Urbana
Proposal Number: AST030025
Proposal Type: New
Proposal Title: Interferometric Imaging Fidelity

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 10,000

Principal Investigator: Daniel Lawson
Institution: University of Michigan-Dearborn
Proposal Number: CHE030059
Proposal Type: New
Proposal Title: Electronic Properties of Ousenes

Resources(SUs): **Approved**
NCSA IBM P690 8,000
NCSA IA64 Linux Supercluster 2,000

Principal Investigator: Jeehiun Katherine Lee
Institution: Rutgers the State Univ
Proposal Number: CHE030058
Proposal Type: New
Proposal Title: Computational and Experimental Studies of Reactivity and Catalysis

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Ming Lei
Institution: Clark Univ
Proposal Number: CHE020028
Proposal Type: Renewal
Proposal Title: Computer simulations of AcK50 Tat peptide-P/CAF bromodomain

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Yue Li
Institution: Michigan State Univ
Proposal Number: ECS030004
Proposal Type: New
Proposal Title: 3D Defect Characterization from Eddy Current NDE Probe Signals

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Chaoqun Liu
Institution: Univ of Texas, Arlington
Proposal Number: CTS030041
Proposal Type: New
Proposal Title: Direct Numerical Simulation of Flow Transition

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Dennis R. Livesay
Institution: California State Polytech Univ, Pomona
Proposal Number: MCB000018
Proposal Type: Renewal
Proposal Title: Multi-Genome Sequence/Function Annotation

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 10,000

Principal Investigator: Joseph Longo
Institution: Univ of Iowa
Proposal Number: CTS030048
Proposal Type: New
Proposal Title: Wave Boundary Layer and Wake Interactions - Surface Piercing Flat Plate

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Eric Loth
Institution: Univ of Illinois, Urbana
Proposal Number: CTS030046
Proposal Type: New
Proposal Title: Detached Eddy Simulations & Multi-phase Flow with Airfoils

Resources(SUs): **Approved**
NCSA IBM P690 9,000

Principal Investigator: Pisi Lu
Institution: Massachusetts Institute of Technology
Proposal Number: CHE030053
Proposal Type: New
Proposal Title: Estimation of Temperature Dependent Generic Rate Constants For Intramolecular [1,4] H migrations in cyclic and acyclic [C,H,O] radicals

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Gnanamanikam Mahinthakumar
Institution: North Carolina State Univ, Raleigh
Proposal Number: BCS030004
Proposal Type: New
Proposal Title: Investigation of GA -LS Strategies for Solving Groundwater Inverse Problems Using Parallel/Grid Computing

Resources(SUs): **Approved**
NCSA IBM P690 3,000
NCSA IA32 Linux Supercluster 2,000
NCSA IA64 Linux Supercluster 3,000

Principal Investigator: Claudio Margulis
Institution: Univ of Iowa
Proposal Number: CHE030055
Proposal Type: New
Proposal Title: Theoretical and Computational Study of the Interaction of Proteins (Lectins) with Sugars Relevant in Cell, Viral and Bacterial Recognition, Immunity and Host Defense

Resources(SUs): **Approved**
NCSA IBM P690 5,000
NCSA IA64 Linux Supercluster 5,000

Principal Investigator: Pedro Marronetti
Institution: Univ of Illinois, Urbana
Proposal Number: PHY020007
Proposal Type: Renewal
Proposal Title: Neutron Star Binaries in Circular Orbits

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: John Masnovi
Institution: Cleveland State Univ
Proposal Number: CHE020034
Proposal Type: Renewal
Proposal Title: Computational study of cytochrome P450 model compounds by ab initio calculations

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Nikita Matsunaga
Institution: Long Island University
Proposal Number: CHE010011
Proposal Type: Renewal
Proposal Title: Electronic Structure of Molecules Relevant to Molecular Electronic Devices

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Richard A. Matzner
Institution: Univ of Texas, Austin
Proposal Number: PHY030012
Proposal Type: New
Proposal Title: Sources of Gravitational Radiation

Resources(SUs): **Approved**
NCSA IBM P690 5,000

Principal Investigator: Waleed Meleis
Institution: Northeastern Univ
Proposal Number: ASC030030
Proposal Type: New
Proposal Title: Grid-enabled high-performance sensing applications

Resources(SUs): **Approved**
NCSA IBM P690 3,000
NCSA IA32 Linux Supercluster 3,500
NCSA IA64 Linux Supercluster 3,500

Principal Investigator: PilKyung Moon
Institution: Univ of Illinois, Urbana
Proposal Number: ECS020001
Proposal Type: Renewal
Proposal Title: Simulation of Electronic and Optical Properties of Self-Assembled Quantum Dot

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Frank Mueller
Institution: North Carolina State Univ, Raleigh
Proposal Number: ASC030034
Proposal Type: New
Proposal Title: Exploiting Binary Rewriting to Analyze Memory Bottlenecks for Scientific Applications.

Resources(SUs): **Approved**
NCSA IBM P690 5,000
NCSA IA32 Linux Supercluster 5,000

Principal Investigator: Lenore Mullin
Institution: SUNY Albany
Proposal Number: CCR030016
Proposal Type: New
Proposal Title: Reasoning about Array Based Computation: Connecting the Hardware Software Boundary Algebraically

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: E. Irene Newhouse
Institution: Univ of New Mexico
Proposal Number: CHE020006
Proposal Type: Renewal
Proposal Title: Monte Carlo Simulations of Dendrimers in Solution

Resources(SUs): **Approved**
NCSA IBM P690 3,000

Principal Investigator: Jun Ni
Institution: Univ of Iowa
Proposal Number: CTS030024
Proposal Type: New
Proposal Title: Parallel Lattice Boltzmann Simulation of Fluid Flow

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 10,000

Principal Investigator: Ronald D. Poshusta
Institution: Washington State Univ
Proposal Number: CHE030065
Proposal Type: New
Proposal Title: Ab Initio Computation of pKa for 4-Nitrophenoxy Methanol

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Donald W. Rogers
Institution: Long Island University
Proposal Number: CHE980030
Proposal Type: Renewal
Proposal Title: G3(MP2) Thermochemistry of Alkynes

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Ronald R. Sauers
Institution: Rutgers the State Univ
Proposal Number: CHE030060
Proposal Type: New
Proposal Title: Computational Studies of Organic Reactions and Reactivity

Resources(SUs): **Approved**
NCSA IBM P690 5,000

Principal Investigator: Edwin Schauble
Institution: Univ of California, Los Angeles
Proposal Number: EAR030003
Proposal Type: New
Proposal Title: Stable isotope geochemistry of iron and molybdenum

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Laxmidhar Senapati
Institution: Univ of California, Berkeley
Proposal Number: PHY030016
Proposal Type: New
Proposal Title: Spin in Nano and Quantum Computers

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Philip Solomon
Institution: SUNY Stony Brook
Proposal Number: AST030018
Proposal Type: New
Proposal Title: Constraining a Model for the Molecular Disk of VII Zw 31

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Frederick Stern
Institution: Univ of Iowa
Proposal Number: ASC030035
Proposal Type: New
Proposal Title: High Performance, Multi-Criteria CFD-Based Optimization

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Douglas Strout
Institution: Alabama State Univ
Proposal Number: CHE030041
Proposal Type: New
Proposal Title: Thermodynamic and Kinetic Stability of High-Energy Nitrogen-Containing Molecules

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Ronald E. Taam
Institution: Northwestern Univ
Proposal Number: AST030021
Proposal Type: New
Proposal Title: Studies in Common Envelope Evolution

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Dean J. Tantillo
Institution: Univ of California, Davis
Proposal Number: CHE030042
Proposal Type: New
Proposal Title: Uncovering the Origins of Regio- and Stereoselectivity for Organometallic Reactions

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: John M. Tarbell
Institution: CUNY City College

Proposal Number: IBN030002
Proposal Type: New
Proposal Title: Flow field in a Bfurcation Tube With the Elastic Wall

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Valerie E. Taylor
Institution: Texas A & M Univ

Proposal Number: ASC030032
Proposal Type: New
Proposal Title: Performance Analysis for MEAD Expedition

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 5,000
NCSA IA64 Linux Supercluster 5,000

Principal Investigator: Mingfang Ting
Institution: Univ of Illinois, Urbana

Proposal Number: ATM010002
Proposal Type: Renewal
Proposal Title: Linkage of the North American Monsoon and the Great Plains Summer Precipitation and Its Relation to

Resources(SUs): **Approved**
NCSA IA64 Linux Supercluster 10,000

Principal Investigator: Daniel A. Tortorelli
Institution: Univ of Illinois, Urbana

Proposal Number: MSS030021
Proposal Type: New
Proposal Title: Domain Decomposition Based on a Two-Level Newton Scheme

Resources(SUs): **Approved**
NCSA IBM P690 5,000
NCSA IA32 Linux Supercluster 5,000

Principal Investigator: Blair Tuttle
Institution: Pennsylvania State Univ
Proposal Number: DMR030010
Proposal Type: Renewal
Proposal Title: Electronic Structure of Semiconductor Materials

Resources(SUs): **Approved**
NCSA IBM P690 5,000

Principal Investigator: Erol Tutumluer
Institution: Univ of Illinois, Urbana
Proposal Number: MSS030010
Proposal Type: New
Proposal Title: Mechanistic Based Design for Geosynthetic Reinforced Flexible Pavements

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Trudy van der Straaten
Institution: Univ of Illinois, Urbana
Proposal Number: MCB030037
Proposal Type: New
Proposal Title: Monte Carlo Simulation of Ion Transport in Biological Ion Channels:

Resources(SUs): **Approved**
NCSA IBM P690 4,000
NCSA IA32 Linux Supercluster 3,000
NCSA IA64 Linux Supercluster 3,000

Principal Investigator: Arun Venkataraman
Institution: Arecibo Observatory/NAIC
Proposal Number: AST030024
Proposal Type: New
Proposal Title: Arecibo Observatory Data Archive

Resources(SUs): **Approved**
NCSA IBM P690 4,000
NCSA IA32 Linux Supercluster 2,000
NCSA IA64 Linux Supercluster 4,000

Principal Investigator: Wei Wang
Institution: Stanford Univ
Proposal Number: MCB010010
Proposal Type: Renewal
Proposal Title: Searching New Drugs for the HIV Protease

Resources(SUs): **Approved**
NCSA IBM P690 2,000
NCSA IA64 Linux Supercluster 8,000

Principal Investigator: Bono Wasistho
Institution: Univ of Illinois, Urbana
Proposal Number: CTS020016
Proposal Type: Renewal
Proposal Title: LES of Compressible Periodic Rocket Flow

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: James Whitfield
Institution: Univ of Illinois, Urbana
Proposal Number: DEB030011
Proposal Type: New
Proposal Title: Phylogenetics of Braconid parasitoid wasps and their symbiotic viruses

Resources(SUs): **Approved**
NCSA IA32 Linux Supercluster 5,000
NCSA IA64 Linux Supercluster 5,000

Principal Investigator: Robert V. Wilson
Institution: Univ of Iowa
Proposal Number: MSS030018
Proposal Type: New
Proposal Title: Six-Degree of Freedom Motions in General Ocean Environments

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Kristina Woods
Institution: Stanford Univ
Proposal Number: MCB030049
Proposal Type: New
Proposal Title: Understanding the Low Frequency Motions of Biomolecules in the Far - Infrared

Resources(SUs): **Approved**
NCSA IBM P690 5,000
NCSA IA 32 Linux Supercluster 5,000

Principal Investigator: Tao Xing
Institution: Univ of Iowa
Proposal Number: CTS030049
Proposal Type: New
Proposal Title: DES Study of Free-Surface Wave-Induced Separation

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Hanying Xu
Institution: Drexel Univ
Proposal Number: CHE030047
Proposal Type: New
Proposal Title: Proposal for Computational Resources From NCSA for a Computational Study of the Synthesis of Aluminum Nitride From Triethylaluminum

Resources(SUs): **Approved**
NCSA IBM P690 10,000

Principal Investigator: Yuanhui Zhang
Institution: Univ of Illinois, Urbana
Proposal Number: MIP030003
Proposal Type: New
Proposal Title: Simulation of Air Flow Inside Uniflow Cyclones

Resources(SUs): **Approved**
NCSA IBM P690 10,000