

# Doctoral Degrees Conferred 2001–2002

## *Supplementary List*

The following list supplements the list of thesis titles published in the February 2003 *Notices*, pages 264–80.

### ARIZONA

#### Arizona State University (6)

##### MATHEMATICS

*Archibald, Richard*, Boundary detection and reconstruction in magnetic resonance imaging.

*Dunn, Charles*, Extensions of a simple competitive graph coloring algorithm.

*Kuo, Yu-Ju*, Interior point algorithms for second order cone problems with applications.

*Loladze, Irakli*, The importance of being stoichiometric: Population dynamics from the perspective of chemical elements.

*Marthaler, Daniel*, Two problems from nonlinear dynamical systems.

*Zela, Dritan*, A continuum spine model for the horizontal cell-to-cone feedback in cat outer retina.

### COLORADO

#### University of Colorado (3)

##### MATHEMATICS

*Caravone, Curtis*, On the convergence of model-free policy iteration algorithms for reinforcement learning: Stochastic approximation under discontinuous mean dynamics.

*Caulk, Suzanne*, Explicit action of Hecke operators on Hilbert-Siegel modular forms.

*Kornelson, Keri*, Local solvability of Laplacian difference operators arising from the discrete Heisenberg group.

### GEORGIA

#### University of Georgia (2)

##### MATHEMATICS

*Bindner, Donald*, On the space spanned by the powers of an operator and its adjoint.

*Liu, Ruihua*, Hierarchical control and filtering of stochastic markovian system.

### NORTH CAROLINA

#### Duke University (1)

##### MATHEMATICS

*Collins, Anne D.*, Configuration spaces in robotic manipulation and motion planning.

### PENNSYLVANIA

#### Carnegie Mellon University (2)

##### STATISTICS

*Ghiuivea, Cristian*, Pricing of generalized American options with applications to energy derivatives.

*Ianus, Iuliana*, Approximate robust Bayesian inference with applications to sample size calculation.