

Technical Report for 2000 SIAM Diversity Workshop

Graduate Student Focus on Diversity Workshop

2000 SIAM Annual Meeting
Rio Grande, Puerto Rico
July 10-14, 2000

The Fourth SIAM Graduate Student Focus on Diversity workshop was held on July 12, 2000 at the Westin Rio Mar Hotel in Rio Grande, Puerto Rico. The Department of Energy provided partial support for this event.

The day-long workshop consisted of several different activities. The meeting opened with a discussion of some data collected by the American Mathematical Society on Ph.D.'s awarded in the U.S. to citizens and non-citizens, further classified as blacks, latinos, asians and native americans. (See included charts). The activity continued with nine technical talks by underrepresented minority graduate students, informal luncheon and pizza breaks to foster social interaction, and an evening forum chaired by Dr. Richard Tapia (Rice University) in which issues related to the participation of minorities in national meetings and proposal writing where discussed. These sessions were open to the entire SIAM community and served to highlight the progress, achievements, and aspirations of the workshop participants. The students attended as well the three SIAM plenary talks during the day and the community lecture in the evening.

The nine technical speakers and presentation titles were:

- On the Design of L_p FIR Digital Filters, Ricardo A. Vargas, Rice University, USA.
- Protein Structure Analysis Using the Singular Value Decomposition, Rachel E. Vincent, Rice University, USA.
- Density Based Image Analysis, Harold Figueroa, Cornell University, USA.
- Combinatorial Analysis of the Dynamics of Decision Systems, Rebecca E. Pablo, New Mexico State University, USA.
- A Single Climax Species Two-Class Population Model, Shurron M. Farmer, Howard University, USA.
- Estimating Airport Arrival Capacity Distributions for Air Traffic Flow Management, Tasha R. Inniss, University of Maryland, College Park, USA.
- Computational Fluid Dynamics: Rayleigh-Bénard Convection Inside a Hele-Shaw Cell, Idris Stovall, University of Massachusetts, Amherst, USA.
- Nonconforming Domain Decomposition Method Applied to Viscosity Solutions of Implicit PDE's, Luis A. Melara, Rice University, USA.
- Can Two Unstable Waves make a Stable Pulse, Mónica Romeo, Brown University, USA.

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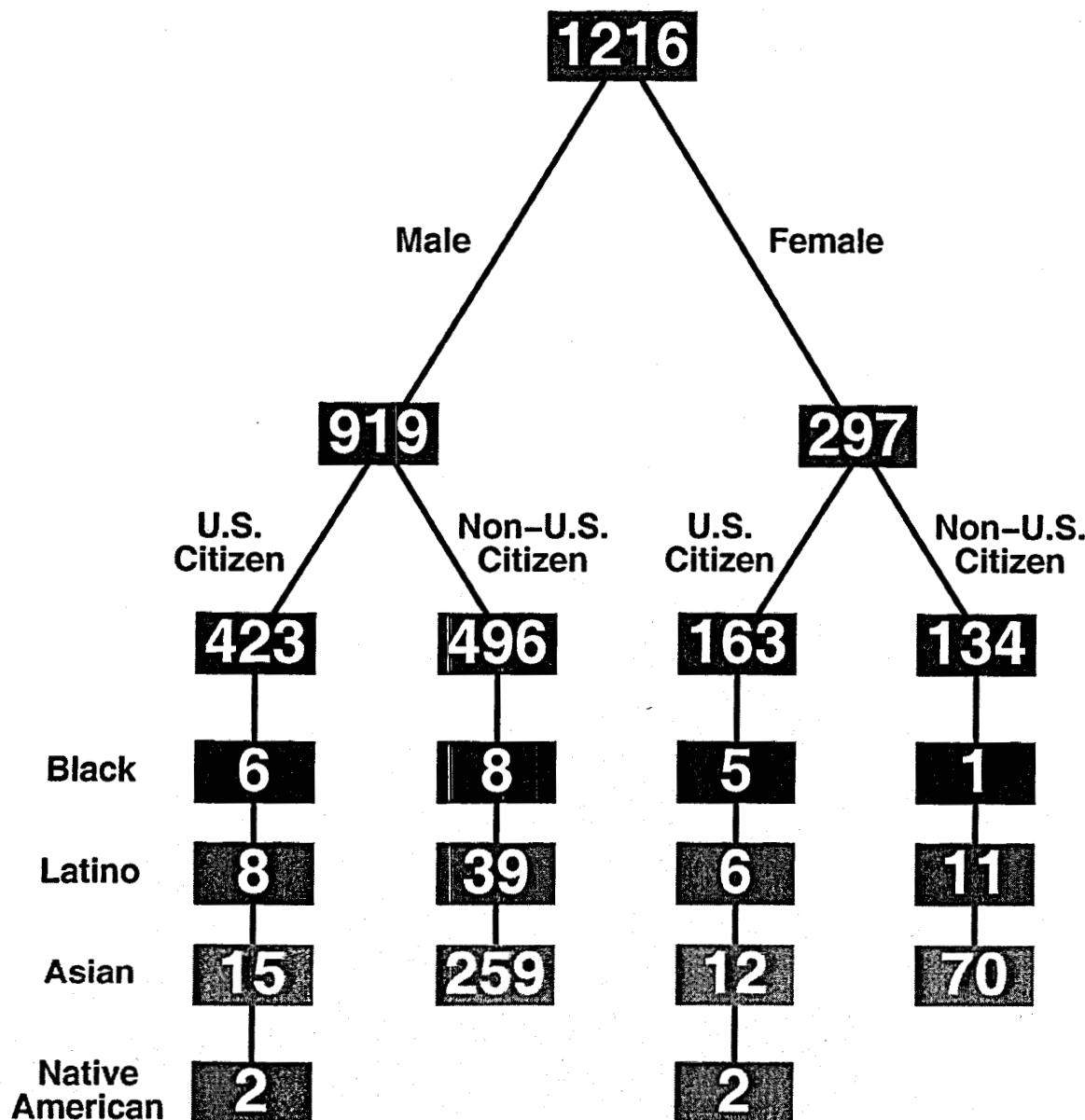
The activity had a lively participation of students and representatives from various academic institutions and sponsoring agencies. In particular, we had the participation of 24 undergraduate students from the Mathematics REU program of the University of Puerto Rico at Humacao. The general impression of all the attendees was that the activity was a success and that it should continue to be part of the SIAM meeting.

Submitted by:

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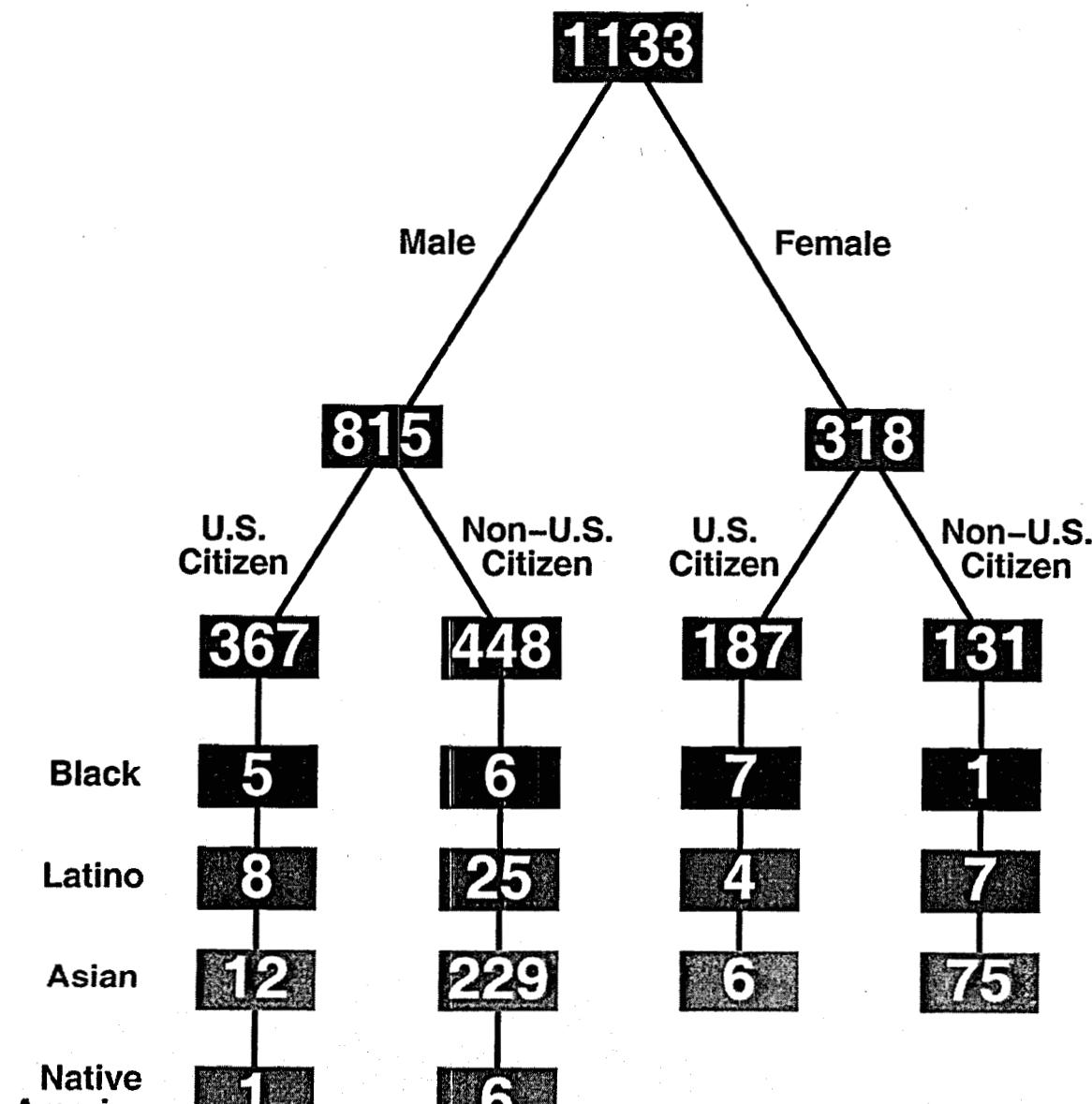
Workshop Co-organizers.

Total Number of U.S. Awarded Ph.D.'s in the Mathematical Sciences (1997–1998)



Data from AMS Notices, February 1999

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