



Mentoring Women and Minorities in General Summer Programs

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Partially supported by NSF grant DMS-0739412: Mentoring through Critical Transition Points for High School Students and Undergraduates



Hypotheses:

- A critical mass of an underrepresented group is not required for each program but can be accomplished with multiple programs at the same time.
- Even if there isn't a critical mass, outliers can be included successfully.



Programs:

- Pre-REU
- Junior Bridge Program
- Graduate Bridge Program
- High School SMaRT Camp
- REUs



Methods:

- Live on same floor of a private dorm
- Have events for the entire group
 - colloquia
 - movie night
 - encourage excursions
- Group work
- Be available



Demographics

Program		08	09	10	11	12
Pre-REU	White	14	17	12	17	16
	Afr. Amer.	3	2	4	2	1/2
	Hispanic	1	0	1	0	1/2
	Nat. Amer.	1	0	0	0	0
	Other	0	1	4	1	3
	Female	14	12	13	11	12
	Male	5	8	8	9	8
Junior	White	4	11	11	8	5
	Afr. Amer.	1	0	0	0	0
	Hispanic	1	1	0	0	0
	Other	2	1	0	0	1
	Female	2	7	5	4	1
	Male	6	6	6	4	5
Grad	White	3	8	9	12	11



Demographic Totals Per Year

	08	09	10	11	12
White	21	36	32	37	32
Afr. Amer.	5	4	4	2	1/2
Hispanic	2	3	1	1	3 1/2
Nat. Amer.	1	0	0	0	0
Other	2	3	5	2	4
Female	17	26	22	19	17
Male	14	20	20	23	23
Total	31	46	42	42	40



Results:

Pre-REU

- talks/posters presented at meetings such as JMM, NCUWM, and MathFest
- 28 of the 46 who reported (80 total) did REUs the next summer, some the next two summers
- of the 46 who reported, 43 are still in math, 1 in chemistry, and two teaching math
- 11 went to graduate school (most are still undergraduates)



Junior Bridge:

Of the 12 who responded (45 total possible):

- one earned a Ph.D. from Cornell
- one an MA
- one an MS
- seven are in PH.D. math programs
- two are applying to graduate school in math



Graduate Bridge:

Of the 18 who responded (41 total possible):

- seven passed qualifying exams in their first year
- two are through preliminary exams
- four have earned MS degrees of which three are now Ph.D. students
- 17 are in a mathematical science Ph.D. program



Links:

MCTP homepage:

<http://www.math.tamu.edu/undergraduate/research/MCTP/>
or www.math.tamu.edu and click on the program of interest
on the right hand list.

Copy of these slides: www.math.tamu.edu/~geller and go
down until you see the link.