

1056-97-305

Jacek Fabrykowski* (jfabrykowski@ysu.edu), One University Plaza, Youngstown, OH 44555.

Local Research Experience for Undergraduates YSU in the summer of 2008. Preliminary report.

In the academic year 2007-2008 Youngstown State University had an unusually large number of excellent junior mathematics majors who were interested in doing graduate work. They all had high grade point averages in our Honors program, were completing at least a full year of analysis and algebra, in addition to a variety of other courses such as complex, numerical analysis, and number theory. In addition, they had given talks on small research projects locally, regionally, and at MathFest, and some of them had been national award winners. All applied to a variety of REUs for the summer of 2008 but none of the males were accepted to any of the programs.

Because YSU felt it was essential that these students have research experience to compete effectively with REU students when applied for graduate programs, we ran our own REU program in number theory for three of these students. I will discuss how this program was run, administered, paid for, describe the outcomes of program. I will then give some suggestions for other institutions who might want to run a program of this type. (Received August 27, 2009)