



Pi Mu Epsilon

& GAMECOCK MATH CLUB

$$e^{i\pi} + 1 = 0$$

Student Math Problem Solving Group

$$\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi}$$

- The idea is to gather on a regular basis and work through interesting math problems. A problem session of this type would be good preparation for math contests, such as: Putnam Competition and Virginia Tech Regional Mathematics Contest.
- Sources of Problems (and sometimes solutions): William Lowell Putnam Competition Archive, VT Math Contest (scroll to bottom of page), Mathematical Association of America journals, American Mathematical Monthly, Mathematics Magazine, The College Mathematics Journal.
- More info can be found at <http://www.math.sc.edu/~pme/> (PME homepage)
- Some benefits of problem solving and a high Putnam exam score:
 - Practice for technical job interviews
 - Enhance your graduate school application and resume
 - Increase critical thinking skills
 - Prepare for higher level math courses

If you interested in joining (or just getting more info about) this Problem Solving Group, just contact USC's Dr. Kaczkowski at kaczks@math.sc.edu or visit him in his office in LC 123.

$$\{a_1, a_2, \dots, a_n\} \subset \mathbb{R}^+ \Rightarrow \frac{1}{n} \left(\sum_{k=1}^n a_k \right) \geq \sqrt[n]{a_1 a_2 \cdots a_n}$$