The Pacific Undergraduate Research Experience in Mathematics (PURE Math) is an intensive summer program of mathematics research, mentoring and enrichment hosted at the University of Hawai‘i at Hilo on the big island of Hawai‘i. In its fourth year, the Summer 2014 PURE Math program will consist of two components: the 8-week Residents program modeled after a traditional REU in mathematics, and the 5-week Interns program for students perhaps not yet ready for the challenge of independent research. Both components include professional development seminars, weekly colloquia with visiting mathematicians, and presentations of research at the end-of-summer symposium.

**PURE Math Interns Program:**
- A 5-week pre-REU program held June 14 - July 20
- For STEM majors that have seen at least two semesters of calculus
- Research topic will be **Factorization Theory of Monoids** led by Dr. Roberto Pelayo and Dr. Brian Wissman, both from UH-Hilo
- Support includes roundtrip travel to and from Hilo, room, board, and a stipend of $3000 upon successful completion

**Pure Math Residents Program:**
- An 8-week REU program held June 14 - August 8
- For mathematics majors that have seen at least two post-calculus courses
- Research topic will be the **Abelian Sandpile Model** led by Dr. Luis Garcia-Puente and Dr. Rebecca Garcia, both from SHSU
- Support includes roundtrip travel to and from Hilo, room, board, and a stipend of $4000 upon successful completion

**How to Apply:**
- Submit a complete application, transcripts, and letter of recommendation online at our posting on the website [MathPrograms.org](http://www2.hawaii.edu/~pure)

**Deadline to apply is February 28, 2014**

**Who May Apply:**
- All participants **must** be U.S. Permanent Residents or U.S. Citizens.
- Pacific Islanders and members of other groups underrepresented in STEM fields are highly encouraged to apply.

For further information: Visit our website at [http://www2.hawaii.edu/~pure](http://www2.hawaii.edu/~pure) or contact our administrative directors at pure@hawaii.edu

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