# Mathematics Opportunities

## Tentative REU Sites for Summer 1996

The Division of Mathematical Sciences (DMS) of the National Science Foundation provides support each summer for a number of Research Experiences for Undergraduates (REU) programs. These programs provide undergraduate students with enriching, hands-on research experiences in the mathematical sciences.

What follows is a list of REU programs planned for the summer of 1996. Please note that this list is **tentative**. An updated list may be obtained by sending e-mail to reu.dms@nsf.gov.

*Mathematical Analysis and Analysis of Nonlinear Phenomena*, 12 students, 7 weeks. Contact Steven E. Shreve, Department of Mathematics, Carnegie Mellon University, Pittsburgh, PA 15213; telephone 412-268-8484; fax 412-268-6380; e-mail cn0s@andrew.cmu.edu.

*Fractals and Harmonic Analysis, Geometric Convexity, Circle Packings, Tensegrities*, 8 students, 8 weeks. Contact Robert S. Strichartz, Department of Mathematics, Cornell University, Ithaca, NY 14853; telephone 607-255-3509; fax 607-255-7149; e-mail reu@math.cornell.edu.

*Algebra, Topology, Applied Mathematics, and Analysis*, 6 students, 8 weeks. Contact David C. Carothers, Department of Mathematics, Hope College, Holland, MI 49423; telephone 616-394-7530; fax 616-394-7123; e-mail reu@hope.bitnet .

*Algebra, Topology, Analysis, Probability, and Applied Mathematics*, 10 students, 8 weeks. Contact Daniel Maki, Department of Mathematics, Indiana University, Bloomington, IN 47405; telephone 812-855-0745; fax 812-855-0046; e-mail reu@indiana.edu; World Wide Web http://www.math.indiana.edu/reu/home.html.

*Inverse Problems in Mathematics and Engineering* (joint program between mathematics and engineering), 6 students, 8 weeks. Contact Suzanne Weaver Smith, Department of Engineering Mechanics, University of Kentucky, Lexington, KY 40506; telephone 606-257-4584; fax 606-257-8057; e-mail reu@ms.uky.edu; World Wide Web http://www.ms.uky.edu/~reu/.

*Graph Theory, Group Theory, and Number Theory*, 10 students, 2 months. Contact Clifford A. Reiter, Department of Mathematics, Lafayette College, Easton, PA 18042; telephone 610-250-5277; fax 610-250-9850; e-mail reiterc@lafcol.lafayette.edu.

*Probabilistic Methods in Graph Theory Combinatorics and Number Theory*, 6 students, 9 weeks. Contact Anant P. Godbole, Department of Mathematics, Michigan Technological University, Houghton, MI 49931; telephone 906-487-2884, ext. 2068; fax 906-487-2357; e-mail anant@math.mtu.edu.

*Geometry and Topology*, 3 students, 8 weeks. Contact Morris Kalka, Department of Mathematics, Tulane University, New Orleans, LA 70118; telephone 504-865-5727; fax 504-865-5274; e-mail reu@math.tulane.edu.

*Analysis, Probability and Finite Mathematics*, 6 students, 10 weeks. Contact Cleon Yohe, Department of Mathematics, Washington University, St. Louis, MO 63130; telephone 314-225-1725; fax 314-935-5799; e-mail cy@math.wustl.edu.

*Matrix Analysis and Its Applications*, 8 students, 8 weeks. Contact David P. Stanford, Department of Mathematics, College of William and Mary, Williamsburg, VA 23187; tele-

phone 804-221-2002; fax 804-221-2988; e-mail dpstan@facstaff.wm.edu.

*Discrete Mathematics, Combinatorics and Graph Theory*, 6 students, 10 weeks. Contact Joseph A. Gallian, Department of Mathematics and Statistics, University of Minnesota, Duluth, Duluth, MN 55812-2496; telephone 218-726-7576; fax 218-726-8300; e-mail jgallian@d.umn.edu; World Wide Web http://www.d.umn.edu/~jgallian/.

*Number Theory, Algebraic Geometry and Applied Analysis*, 10 students, 8 weeks. Contact Alan H. Durfee, Department of Mathematics, Mount Holyoke College, South Hadley, MA 01075; telephone 413-538-2162; fax 413-538-2327; e-mail reu@mtholyoke.edu.

*Combinatorics, Dynamical Systems and Stochastic Processes*, 8 students, 8 weeks. Contact Terence R. Blows, Department of Mathematics, Northern Arizona University, Flagstaff, AZ 86011; telephone 602-523-6863; fax 602-523-5847; e-mail blows@nauvax.ucc.nau.edu.

*Computational and Combinatorial Group Theory*, 10 students, 8 weeks. Contact Andy Miller, Department of Mathematics, University of Oklahoma, Norman, OK 73019; telephone 405-325-6711; fax 405-325-7484; e-mail amiller@nsfuvax.math.uoknor.edu.

*Analysis of Algorithms, Geometry, Population Dynamics, and Topology*, 8 students, 8 weeks. Contact Dennis J. Garity, Department of Mathematics, Oregon State University, Corvallis, OR 97331; telephone 503-737-5138; fax 503-737-0517; e-mail reu@math.orst.edu; World Wide Web http://www.orst.edu/~garityd/reuhome.html.

*Computational Group Theory*, 6 students, 7 weeks. Contact Gary J. Sherman, Department of Mathematics, Rose-Hulman Institute of Technology, Terre Haute, IN 47803; telephone 812-877-8445; fax 812-877-3198; e-mail sherman@rose-hulman.edu.

*Theory and Application of Statistical Methods*, 10 students, 8 weeks. Contact Madhuri S. Mulekar, Department of Mathematics and Statistics, University of South Alabama, Mobile, AL 36688; telephone 334-460-6264; fax 334-460-7969; e-mail mmulekar@jaguar1.usouthal.edu; World Wide Web http://www.mathstat.usouthal.edu/~mmulekar/research.html.

*Computational Group Theory*, 6 students, 8 weeks. Contact Rhonda L. Hatcher, Department of Mathematics, Texas Christian University, Fort Worth, TX 76129; telephone 817-921-7335; fax 817-921-7333; e-mail hatcher@gamma.is.tcu.edu.

*Inverse Problems*, 8 students, 8 weeks. Contact James A. Morrow, Department of Mathematics, University of Washington, Seattle, WA 98195; telephone 206-543-1161; fax 206-543-0397; e-mail morrow@math.washington.edu.

*Geometry*, 8 students, 9 weeks. Contact Colin Adams, Department of Mathematics, Williams College, Williamstown, MA 01267; telephone 413-597-3300; fax 413-597-4116; e-mail colin.adams@williams.edu.

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