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Joseph A. Gallian* (jgallian@d.umn.edu), Department of Mathematics and Statistics, 1117 University of Minnesota Duluth, Duluth, MN 55812. *Research in mathematics by undergraduates: past, present and future.*

Although involving undergraduates in research has been a long standing practice in the experimental sciences, it has only been recently that undergraduates have been involved in research in mathematics in significant numbers. In this talk I will trace the evolution of research by undergraduates over the past 25 years and the reasons for it. I will give my opinion on what lies ahead over the next ten years. (Received August 25, 2010)