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**Integrating mathematics majors into the scientific life of the country.**

Peterson, Mark A. (ed.) et al., Directions for mathematics research experience for undergraduates. Based on the conference “New directions for mathematics research experiences for undergraduates”, Mount Holyoke College, South Hadley, MA, USA, June 21–22, 2013. Hackensack, NJ: World Scientific (ISBN 978-981-4630-31-3/hbk; 978-981-4630-33-7/ebook). 147-165 (2016).

From the text: Research experiences for undergraduates (REU) programs in mathematics are a wise national investment, an investment that is designed to produce the next generation of mathematicians. Even though these programs target undergraduates, their impact has been much broader. They have changed mathematical culture. As just one important example of cultural change: thirty years ago it was rare for undergraduate mathematics majors to conduct research, now it is widespread, and even considered an important factor in applications to graduate schools and prestigious fellowship programs. When we look abroad we see that other countries have not made this change.

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