INVESTIGATE INNOVATE IMPACT

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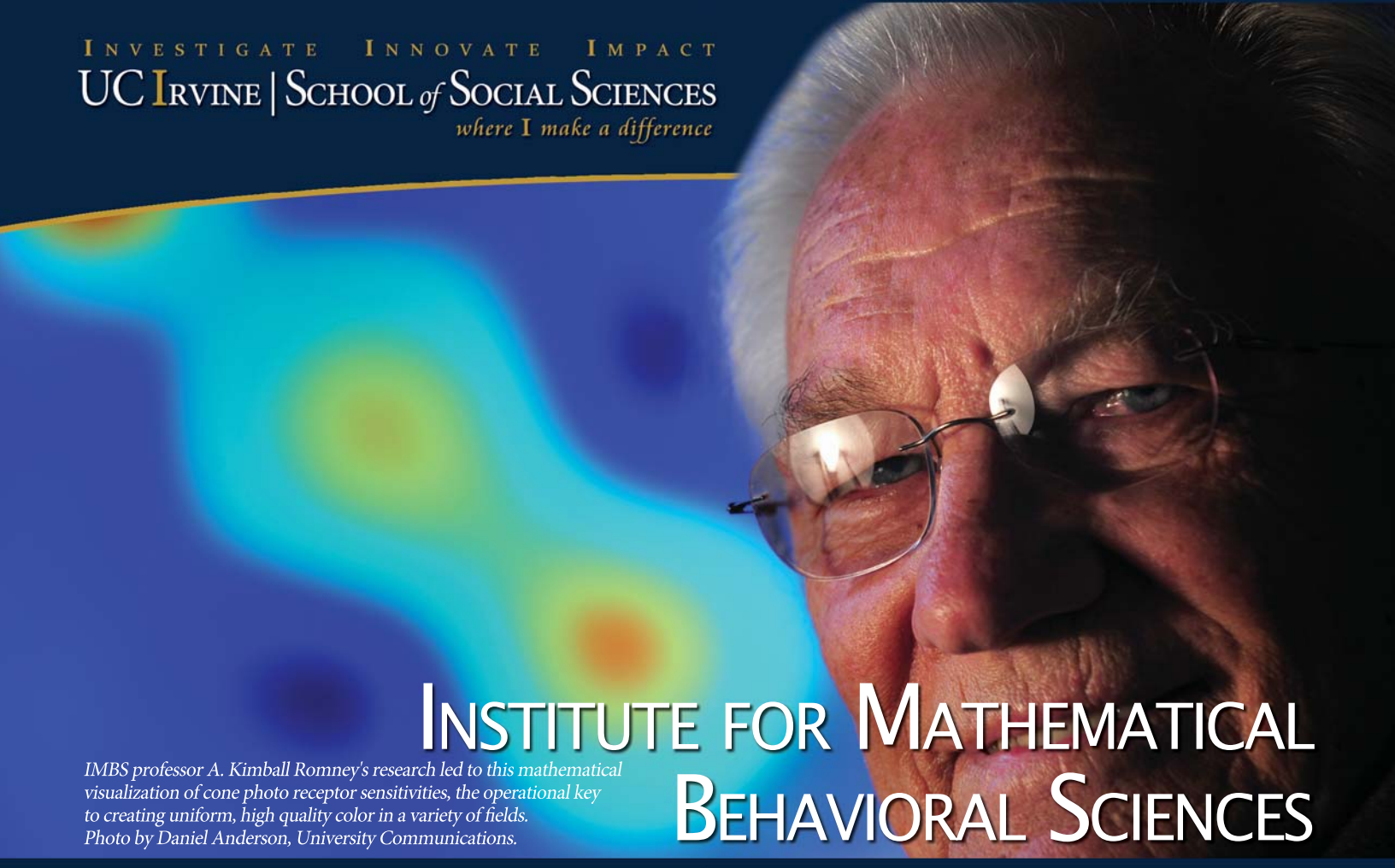
where I make a difference



IMBS professor A. Kimball Romney's research led to this mathematical visualization of cone photo receptor sensitivities, the operational key to creating uniform, high quality color in a variety of fields. Photo by Daniel Anderson, University Communications.

INSTITUTE FOR MATHEMATICAL BEHAVIORAL SCIENCES

INVESTIGATE

Founded in 1989, researchers in the Institute for Mathematical Behavioral Sciences study the behavioral sciences using mathematical approaches that provide a basis for formal descriptions of behavioral phenomena and their underlying mechanisms. This approach has the advantage of allowing for the direct modeling and testing of formal relations that govern the underlying mechanisms of phenomena, and permits the principled prediction of patterns of behaviors under new or changing situations.

IMBS advances the study of behavior through mathematical modeling.

INNOVATE

IMBS facilitates interaction and common research goals among scientists interested in formulating precisely and testing theories of human behavior. Their interests span anthropology, cognitive science, economics, engineering, logic and the philosophy of science, mathematics, political science and sociology.

IMPACT

IMBS provides support for young scientists and students of mathematical behavioral sciences and hosts annual international conferences, synergistic workshops and a technical report series on interdisciplinary topics. The institute's interdisciplinary research emphasis encourages development of new mathematical techniques and innovations to advance the behavioral sciences similar to the ways in which mathematics has been used to advance the physical sciences.

Active members include 60 affiliated faculty and researchers campuswide. Their findings impact real-world problems in economic, social and psychological situations through the application of advances in mathematical theory and methods.

MAKE A DIFFERENCE

A gift to IMBS has the power to transform individuals and communities and truly make a difference. Contact us today or visit us online at www.socsci.uci.edu to learn how past donations have helped fund our future leaders.

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