Radoslav Dimitric* (dimitricr@member.ams.org), New York, NY. Notions of function and continuity in college mathematics. Preliminary report.

These are two most fundamental notions relevant not only to mathematics, but to the sciences and beyond. The rendering of these notions both in textbooks and in daily teaching practice leave much to be desired. I discuss some reasons that I believe lead to these problems and propose ways to teach functions and continuity not only correctly but most efficiently and with greatest utility. (Received July 26, 2013)