1035-Z1-410 David G. Taylor* (taylor@roanoke.edu), Dept of Mathematics, Comp. Sci, and Physics, Roanoke College, 221 College Lane, Salem, VA 24153, and Chris R. Lee, Jeff L. Spielman, Roland B. Minton and Jan G. Minton. Classroom Response Systems in Calculus: Facilitating Student Discussion and Preparation for Class. Preliminary report.

In the last few years, the "classroom response system" has become more popular in classrooms as a way to encourage participation and discussion in classes; everyone has a chance to input their opinion and feel like a part of the class discussion. At Roanoke College in our Calculus classes, we have adopted the technology to strongly encourage students to come to class prepared and ready to discuss the topics of the day by offering a CRS "quiz" consisting of reading questions. This creates an atmosphere where the instructor can dynamically alter their class time to spend more time on topics that give the class more difficulty and spend less time on those that the students already grasp. In this talk, I will give a brief overview of this technology as it applies to Calculus at Roanoke College. (Received September 06, 2007)