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*Students' and Instructors' Different Views of the Mathematics Classroom.*

An instrument with each item consisting of two contrasting statements, worded in his or her own voice, on a student's view on an issue related to the mathematics classroom was given to seven classes (125 students) in five institutions in November 1998. A parallel instrument worded in an instructor's voice on the same issue was given to the seven instructors of those classes. This process was repeated in March 1999 for 34 classes in four institutions (910 students and 34 instructors). Both sets of data were analysed using psychometric methodology. Comparing the responses by female students, male students and instructors, we report on the the posthoc differences that were significant at  $p < .05$  for both samples. The items indicating differences span a range of aspects of beliefs about the nature of the subject matter, the nature of the learning process, the nature of the teaching process and about students in general and particular students in the class. The participants in the class see their "world" quite differently. (Received October 01, 2000)