

Student Attitudes: Learning with Maplets for Calculus

Analysis of 2 years of survey data, collected at the beginning and end of Calculus I and II courses.

2 sets of parallel questions:

- Attitudes and perceptions about learning mathematics and calculus
- Attitudes about using technology, Maplets for Calculus, Matlab, and Maple

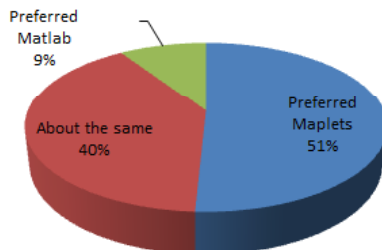
Student Preferences: Maplets for Calculus vs. Other Platforms

	Matlab	Maple
Maplets more favorable	8	4
About the same	2	6
Other platform more favorable	0	1

Matlab at University A, Maple at University B

- At both universities, attitudes toward learning mathematics became slightly more negative.
- General attitudes toward using technology also became slightly more negative.
- University A students were significantly more positive about using Maplets for Calculus.
- University B students in Calculus I also tended to be more positive about Maplets for Calculus, although not as strongly so.
- Attitudes of University B students in Calculus I changed significantly on most questions; students in Calculus II showed much less change.

Student preferences regarding Maplets and Matlab, University A



Student preferences regarding Maplets and Maple, University B

