

UMW Department of Mathematics Announcement

Applications of the Derivative

Presented by

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140 Trinkle Hall

Abstract: Derivatives can be used for a variety of practical applications, including finding the optimal amount a company should spend on advertising to maximize sales. We will introduce the concepts of maxima, minima, and critical numbers, then show how to use the first derivative to find these values. If time permits, we will also discuss the Extreme Value Theorem and apply it to find the steepest portion of a roller coaster.

“Ms. Magee is a candidate for an open position in the department”

