

## Demo of PreZoom T

Instructions: Hover on the formula.

This document is to be viewed on Adobe Reader (the free version is sufficient).

Explanation: Students with visual impairment have a harder time reading formulas than plain text because the text in a formula is not made from familiar words. The idea of PreZoom is to make it easier to magnify such components. Therefore the content provider chooses an entire logical unit to be magnified, as opposed to the user utilizing Adobe Reader's magnification facilities which are context independent and do not recognize logical units.

Consider the matrix  $M = \begin{bmatrix} \alpha & \beta \\ \beta & \gamma \\ \beta & \gamma \\ \alpha & \beta \end{bmatrix}$ . Find the eigenvalues and eigenvectors.

A process similar to PreZoom is automatically available for HTML content via MathJAX. But for PDF content the process is not automatic. PIs built this demo using R. Marik's `fancytooltips` package.

PIs will work with Dr. D. P. Story of AcroTeX toward building a package to automate the process.

