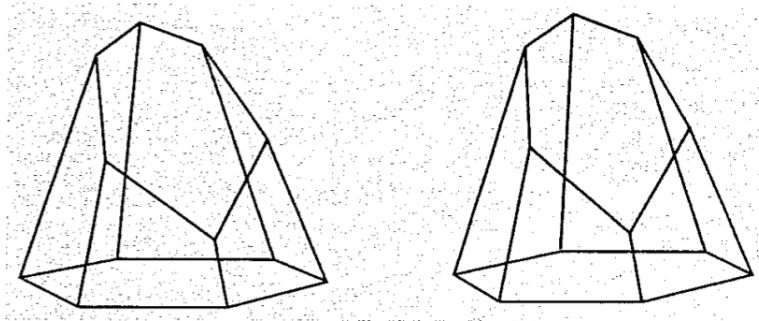# Math 312: computer graphics

September 25, 2012

The figure below was taken from Anton and Torres' *Elementary Linear Algebra*, applications version, 8th ed. A single view was rotated both $-3°$ and $+3°$ about the y-axis (which is parallel to the page, pointing up) to generate the two images below. These particular angles were chosen based on the distance between your eyes. Stare at the picture and let your eyes unfocus until the two views merge into one.

View 8 Stereoscopic figure of truncated pyramid. The three-dimensionality of the diagram can be seen by holding the book about one foot away and focusing on a distant object. Then by shifting gaze to View 8 without refocusing, the two views of the stereoscopic pair can be made to merge together and produce the desired effect.