



DEPARTMENT OF MATHEMATICS & STATISTICS
Instructor: M. Chirilus-Bruckner

LINEAR ALGEBRA

— MA 242 —

HW 11

– graded –

Explain by an easy example matrix (for instance, $A \in \mathbb{R}^{2 \times 2}$) how

eigenvalues, eigenvectors, diagonalization,

can be useful in understanding **difference equations**.