Geometric Algebra Notes 1 (Wedge Product)
MultiV 2021-22 / Dr. Kessner

First we're going to think about the unit circle in $\mathbb{R}^2$, and change our notation as well.

We're going to call our unit vectors $e_1 = \mathbf{i} =$

$v = \begin{pmatrix} c \\ d \end{pmatrix}$

$u = \begin{pmatrix} a \\ b \end{pmatrix}$

a_2

a_1

$v = \begin{pmatrix} 0 \\ 2 \end{pmatrix}$

$e_1 \wedge e_2$

$u = \begin{pmatrix} 3 \\ 0 \end{pmatrix}$

r_0

v

$r - r_0$

d

r