







3

## Frames in Graphics, continued

 Section 5.2 is very important, since it uses transformations in the most common ways in computer graphics, e.g., different versions of doMtoOwrtA (see p. 46 of book). Make sure you understand this section.

![](_page_3_Figure_3.jpeg)

## 1/28/2015

C3: Vector Spaces 2014-01-13 Suppose E, e Er form an orthonormal basis, and à e 6 are troo onthogonal vectors with coordinate à e 5 in basis é. Consider these statements. ()  $\vec{e}_1 \times \vec{e}_2 = 0$   $\vec{e}_1 \times \vec{e}_1 = 1$ (2)  $\vec{e}_1 \cdot \vec{e}_2 = 0$   $\vec{e}_1 \cdot \vec{e}_1 = 1$ Choose the best : A: O and () B: 1) and () C: (2) and (3)  $(\overline{a})^{\mathsf{T}} \overline{b} = 0$ D: (2) and (4) (ā) J. = 1 Ē : 2,5 2 5

![](_page_4_Figure_2.jpeg)

![](_page_5_Figure_1.jpeg)

![](_page_5_Figure_2.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_6_Figure_2.jpeg)

![](_page_7_Picture_1.jpeg)

![](_page_7_Figure_2.jpeg)

![](_page_8_Figure_1.jpeg)

![](_page_8_Figure_2.jpeg)