Wednesday, May 02, 2012 2:37 PM

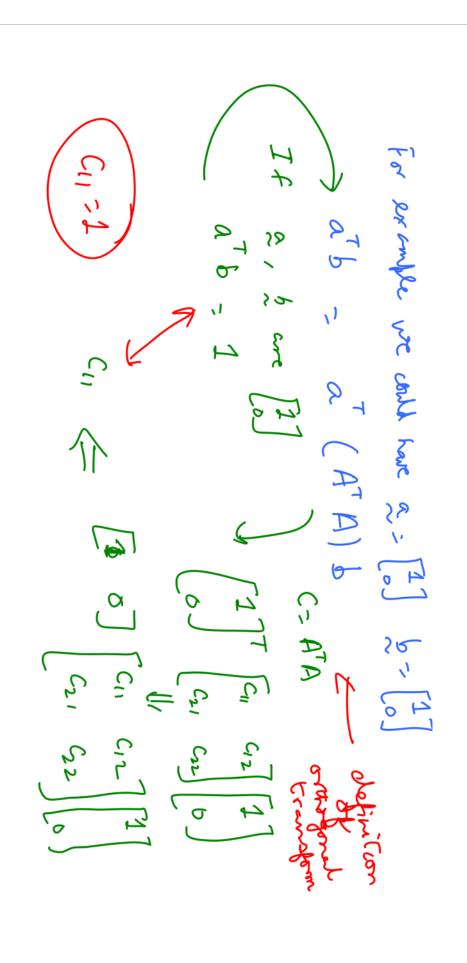
Orthogonal transforming -> MATRICES Rotations Refections Or thogonal transformations / Or thogonal matrices of thospondies Suppose we have a point of represented by a column Y (b) - Ab What can we say about its while it and the matine associated while and the matine associated while it is a sociated whill in the sociated while it is a sociated while it is a sociated 4/30/2012

Y(b) = Ab

What is the det product in vector medice notation?

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For simplicity consider be various chias of books rectors [1] 11 (A ~) T (A b) (Aa). (Ab) at (ATA)b all charges of definition



What we have shown is that  $A^TA = I$ By this bund of process Ş can show that definition of matrix CT- 8

