Risobo A = (5) 10 g
$$\lambda_1 = 5 \lambda_2 = 1$$

O 0 dg $\lambda_3 = \lambda_4 = 0$

I all eigenvantues are different

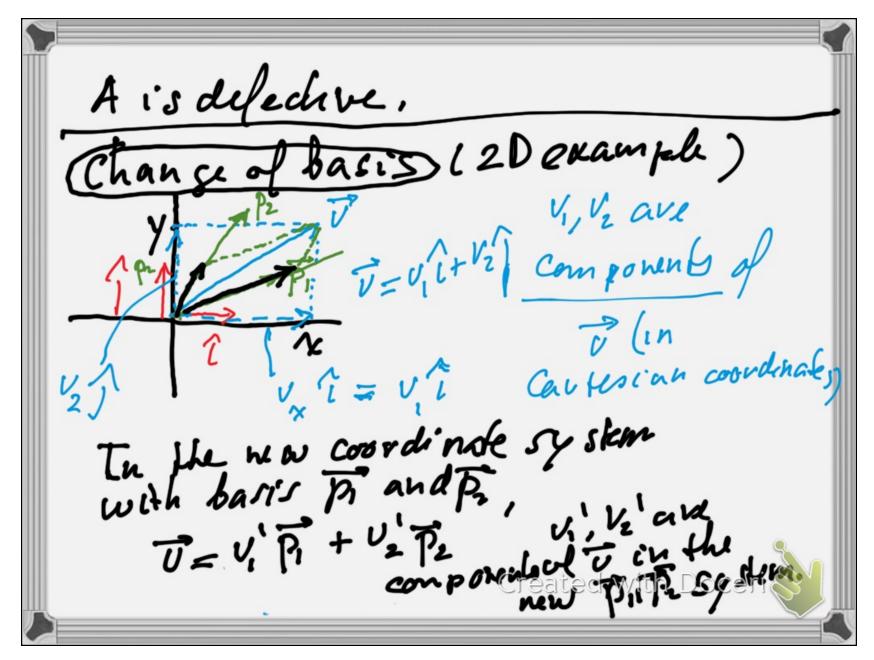
then there are nindependent

eigenvectors - matrix is not at

clifedive

 $\lambda_3 = \lambda_4 = 0$

The show is $\lambda_4 =$



Converling components between Systems: $V = V_1' \bar{p}_1 + V_2' \bar{p}_2$ Letis assume we write \bar{p}_1 and \bar{p}_2 in the ovisional cartesian coordinate aim101420.pdf Page 4 of 7

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$$A' = \begin{cases} \lambda_1 & 0 & 0 & 0 & \cdots \\ 0 & \lambda_2 & 0 & 0 & \cdots \\ 0 & 0 & \lambda_3 & 0 & 0 & \cdots \end{cases}$$

$$\begin{array}{l} diagonal \\ with lightnown under \\ 0 & 0 & \lambda_3 & 0 & 0 & \cdots \\ 0 & 0 & \lambda_3 & 0 & 0 & \cdots \\ 0 & 0 & \lambda_3 & 0 & 0 & \cdots \\ 0 & 0 & \lambda_3 & 0 & 0 & \cdots \\ 0 & 0 & \lambda_3 & 0 & 0 & \cdots \\ 0 & 0 & 0 & 0 &$$

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