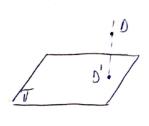
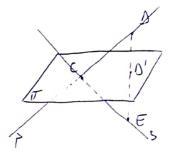
RJESENJA ZAVRŠNOG ISPITA IZ LINEARNE ALGEBRE

$$\Pi \dots \times -y + z = 3$$

2- pravac thor Dotomit na T





5) D' je proniste duzine
$$\overline{DE} \Rightarrow E(2.4.2)$$

 $S = CE... \frac{1}{2} = \frac{4+1}{5} = \frac{2-2}{0}$

(2) a)
$$A = \begin{bmatrix} \cos \lambda & \sin 2\lambda \\ \sin 2\lambda & -\cos 2\lambda \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{13}{2} \\ \frac{13}{2} & -\frac{1}{2} \end{bmatrix}$$
 b) $A \cdot A = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

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$$A \cdot A = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$$

3) Vidi predavanja ili tripiticu "Lineami operatori".

(4) Svojstiene vnjednosti:
$$N_1 = N_2 = 0$$
, propadni vettori [1], [2]
$$N_1 = 12, \text{propadni vettor}$$

AAt x more dipryonalizirati

b) $\left\{\frac{1}{\sqrt{2}}\begin{bmatrix}1\\1\end{bmatrix}, \frac{1}{\sqrt{3}}\begin{bmatrix}1\\1\end{bmatrix}, \frac{1}{\sqrt{6}}\begin{bmatrix}2\\1\end{bmatrix}\right\}$ c) $(BB^{t})^{t} = BB^{t}$, a svata simetricha matrica je slična djazonalnoj

5) A mora biti regulama matrica