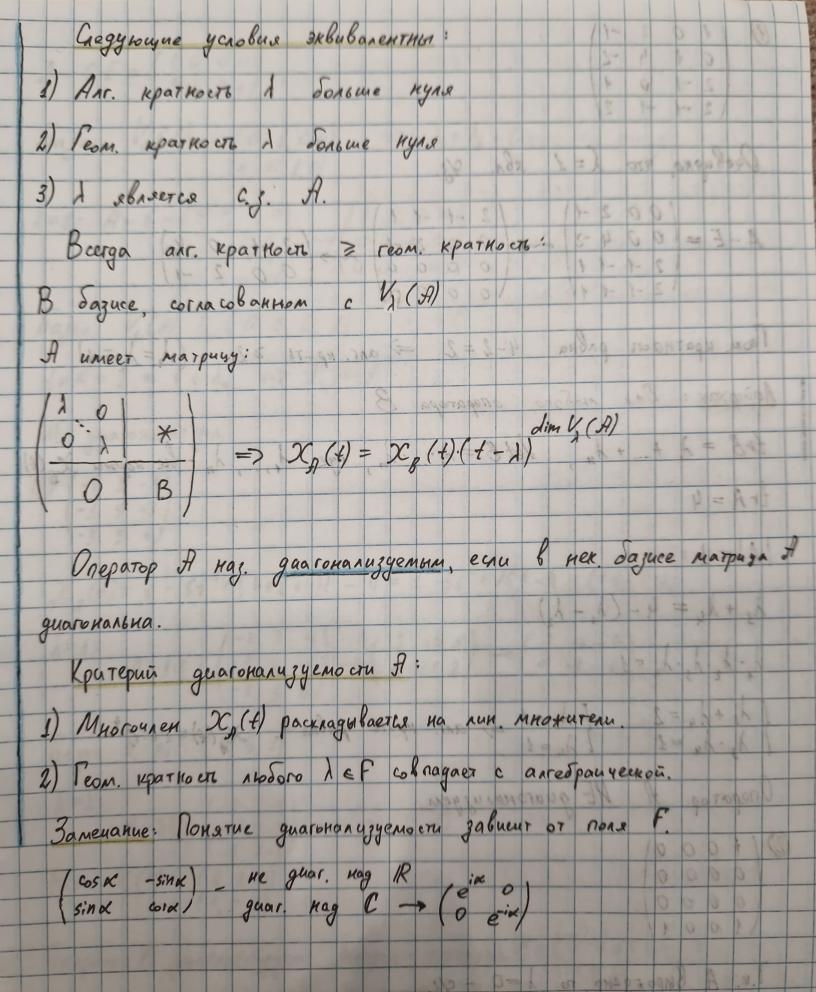
Семинар 30, 16.05.24 $\mathcal{D}3: \mathcal{G}) \mathcal{H}: f(x) \mapsto f(ax+b)$ f(x) 7.4. f(ax+6) = a f(x) f(x) = x + 5, $f(ax+b) = ax + b + s = a(x+s) = ax + as = 3 = \frac{b}{a-1}$ No strong $f(x + \frac{b}{a-t}) = a(x + \frac{b}{a-t})$ $cb(-c_3, a)$ $d(x + \frac{b}{a-t}) = a(x + \frac{b}{a-t})$ $f(ax + b) = (f(ax + b))^k$ $A(f') = (A(f))^k = (a.f)^k = a^k f' = 2 f - c.b. c.g.a.$ CH = dx V= IR[x]en Зафикируем оператор Я на п-мериом пространстве V над полем F. Пусть де Е. Алгебранческой кратностью д наз. кратность корпя д l MKOFOYNEHE $X_A(t)$. Геометрической кратностью Л наз. dim V, (А).



$$A - O \cdot E = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}$$

$$Eague V_0(A) : \begin{pmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 \end{pmatrix}$$

$$A = 1 : A - E = \begin{pmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 0 & 0 & 1 \\ 0 & 0 & 0 \end{pmatrix}$$

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$$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 0 & 1 \\$$

$$A = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 2 & 0 \end{pmatrix} - Mar, paya A & Noban Sajuce$$

$$Ply oth jagarea Mar, paya A & Molan Sajuce$$

$$Venote jagarea Mar, paya A & Molan Sajuce$$

$$B odujem chyune Mytho Xopganoba Mopu. popula,$$

$$MH olpahurumich chyune Mytho D = C.AC gaaromanu, zyema.$$

$$The bap. $C \in GL_n(F)$ 1.4. $D = C.AC$ gaaromanuma.
$$D = \begin{pmatrix} \lambda_1 & 0 \\ 0 & \lambda_n \end{pmatrix}$$

$$D = \begin{pmatrix} \lambda_1 & 0 \\ 0 & \lambda_n \end{pmatrix}$$

$$D = \begin{pmatrix} \lambda_1 & 0 \\ 0 & \lambda_n \end{pmatrix}$$

$$A^N = (CDC')^N = CDC'CDC' ... CDC' = CDC'$$

$$Q \begin{pmatrix} 7 & -4 & 64 \\ 14 & -8 \end{pmatrix}$$

$$2A(4) = t^2 + t = t(t+1)$$

$$A = 0: A - 0E = \begin{pmatrix} 7 & -4 \\ 14 & -8 \end{pmatrix} - A(7 - 4)$$

$$Dayac V_0(A): (4,7)$$

$$Dayac V_1(A): (1,2)$$

$$C = \begin{pmatrix} 4 & 1 \\ 7 & 2 \end{pmatrix} D = \begin{pmatrix} 0 & 0 \\ 0 & -1 \end{pmatrix}$$

$$C = \begin{pmatrix} 4 & 1 \\ 7 & 2 \end{pmatrix} D = \begin{pmatrix} 0 & 0 \\ 0 & -1 \end{pmatrix}$$

$$A = (CDC')^C = CDC'C = C(0)^{-1} \begin{pmatrix} 4 & 1 \\ 7 & 2 \end{pmatrix} \begin{pmatrix} 0 & 0 \\ -7 & 4 \end{pmatrix} = \begin{pmatrix} -7 & 4 \\ -14 & 3 \end{pmatrix}$$$$

AKANOFULIO, MO+RO PELLARE UPABLICATION PAGE X = A, rge A guarorany.

$$\exists C \in GL_{n}(F): D = C'DC$$
,

 $D = \begin{pmatrix} \lambda_{1} & 0 \\ 0 & \lambda_{n} \end{pmatrix}$
 $\exists C \in GL_{n}(F): D = C'DC$,

 $\exists C \in GL_{n}(F): D = C$