Tema 1(x,y) = (x+y > x,-y) a) opl. lin? $\int (x) = Ax \quad \text{undi} \quad x = \begin{pmatrix} x \\ y \end{pmatrix} \quad \text{si} \quad A = \begin{pmatrix} 1 & 1 \\ 1 & 0 \end{pmatrix} \in \text{ell}_{3,2} (R)$ Fig. $X_1, X_2 \in IR^2$ $\Rightarrow \int (d_1X_1 + d_2X_2) = H(d_1X_1 + d_2X_2) = \frac{1}{2} \int (d_1X_1 + d_2X_2$ = dy(A, X,) + or (AX2) = d, f(X1) + d2 f(X2) => f. apl. lin. d) Teorema nangului defect? Shim din sulpet 6> => dim Kerf = 0 Storm ca dim R IR = 2 1m 1 = 8 w e 1R3 | 3! v e 1R2 a.1. 2/a) = w 3 Dem. ca dum plang = 2. /mg = (x, y, z) = (x+y, x - y) = = (x, x, 0) + (3, 6, -9) = x(1, 1, 0) + y(1, 0, -1) = x(y + y)5= (v, vz) = 1 mg not de gener. => 541? 9 (1) 01) = 2 => S ept 50 Sc1 => ding /ml = 2 -> - dun plus + din plus f = din plus 12 admarat