제 43 상 특수한 행력들의 고유상

- · det (A), 대자령령, 삼각령렬 > 대작원소의 급, 영행·영열. · 투성방경식의 태. > 독한 경우?
- O 2×2 행렬

$$\begin{bmatrix} a_{11} & & \\ & a_{22} \\ & & \\ &$$

나 대각행력의 고유값은 대각원선이다.

L 상상각행력의 고유값은 대착원소이다

*하삼 각 행경

Thm. nxn 对对 Asi If Land An old at d.

- i) $det(A) = \lambda_1 \cdot \lambda_2 \cdot \cdots \cdot \lambda_n$
- (i) + + $(A) = \lambda_1 + \lambda_2 + \dots + \lambda_n$ इ ए दलें
- i) $\det(\mathcal{M}-A) = 0 = (\mathcal{M} \cap \mathcal{N}_1)(\mathcal{M} \cap \mathcal{N}_2) \cdots (\mathcal{N}-\mathcal{N}_n)$ i) $\det(\mathcal{M}-A) = 0 = (\mathcal{M} \cap \mathcal{N}_1)(\mathcal{M} \cap \mathcal{N}_2) \cdots (\mathcal{N}-\mathcal{N}_n)$ i) $\det(\mathcal{M}-A) = 0 = (\mathcal{M} \cap \mathcal{N}_1)(\mathcal{M} \cap \mathcal{N}_2) \cdots (\mathcal{N}-\mathcal{N}_n)$ det (OA) = (-1) n λ, ... λn (-12 det(A) = (-15 2, ... 2n, det(A) = 2,... 2n

(i) $(x+a)(x+b) = x^2 + (a+b)x + ...$ $(x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $(x+a_1) ... (x+a_n) = x^n + (a_1 + ... + a_n)x^{n-1}$ $det(x-a) = (x+a_1)(x+a_2) ... (x-a_n)$ $= x^n - (x_1 + ... + x_n)x^{n-1} + ...$ of Qf ZJH = 0, of 2 = 2f Zf = 0 $f(x) = (ax^2 + bx + C_n) = (x+a_1)(x+a_2+a_3)x^2 + ...$ $f(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $f(x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $f(x+a_1)(x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $f(x+a_1)(x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $f(x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $f(x+a_1)(x+a_1)(x+a_2)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $f(x+a_1)(x+a_2)(x+a_3)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + ...$ $f(x+a_1)(x+a_2)(x+a_3)(x+a_$