제 43강 특수한 행력들의 고유값

- · det (A), 대자령령, 삼각령결 > 대작원소의 급, 영행·영열. · 독성방경식의 태. > 독한 경우?
- ① 2×2 행렬

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

느 대강행력의 고유값은 대강원소이다.

17) 삼각행결 > 삼각행결의 고유값은 대각원소이다.

$$\frac{\partial \mathcal{L}}{\partial x_{ij}} = \frac{\partial \mathcal{L}}{\partial x_{ij}}$$

L, 상삼각행결의 고유값은 대착원**소**이다.

하삼각행결

Thm. nxn 행렬 A의 고유값을 21, 22, ..., 2n 이라 라면,

- i) $det(A) = \lambda_1 \cdot \lambda_2 \cdot \cdots \cdot \lambda_n$

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i)
$$\det(\mathcal{M}-A) = 0 = (\mathcal{M} \cap \lambda_1)(\mathcal{M} \cap \lambda_2) \cdots (\mathcal{M}-\lambda_n)$$
 $\det(\mathcal{M}A) = (-1)^n \lambda_1 \cdots \lambda_n$
 $\det(\mathcal{M}A) = (-1)^n \lambda_1 \cdots \lambda_n, \det(\mathcal{M}) = \lambda_1 \cdots \lambda_n$

(i) $(x+a)(x+b) = x^2 + (a+b)x + \cdots$ $(x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $(x+a_1)\cdots(x+a_n) = x^n + (a_1+\cdots+a_n)x^{n-1}$ $\det(x) = (x+a_1)(x+a_2) + (x+a_1)(x+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (a_1+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3) = x^3 + (x+a_1+a_2+a_2)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3)(x+a_3) = x^3 + (x+a_1)(x+a_2+a_3)x^2 + \cdots$ $\det(x) = (x+a_1)(x+a_2)(x+a_3)(x+a_$