## 哈密顿-凯莱定理的证明

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又说B(X)是A-XE的伴随矩阵,双有

BCI的元素都是 det(AFIE)的元素的性效系子式,显然有:(次数不起 n-1)

$$\beta(\lambda) = \beta_{n-1} \lambda^{n-1} + \beta_{n-2} \lambda^{n-2} + \cdots + \beta_1 \lambda + \beta_0$$

故有: B(入)(人-入E)\_(Bn-)~+Bn-2)~+···+Bn+Bn)(人-入E)

$$= \alpha_n \lambda^n + \alpha_{m_1} \lambda^{m_1} + \cdots + \alpha_n \lambda^{n_1} + \alpha_n$$