$$P(t) = c_0 + c_1 + c_2 + c_3 + \dots + c_n +$$

$$V = \lambda_{1} V_{1} \cdots V_{n} V_{n}$$

$$C \in \mathbb{R}$$

$$C V = (\lambda_{1} V_{1} \cdots V_{n})$$

$$= ((\lambda_{1} V_{1} \cdots V_{n}))$$

$$V = \{ \begin{bmatrix} x \\ y \end{bmatrix} : x \neq 0, y \neq 0 \}$$

$$u) \quad u + v = i \quad V \quad \text{with} \quad ...$$

$$v)$$

$$\vdots$$

$$Null A = \{ x \in \mathbb{R}^{n} : A_{x} = 0 \}$$

$$a) \quad A = \{ x \in \mathbb{R}^{n} : A_{x} = 0 \}$$

$$b) \quad x, y \in Null A$$

$$c) \quad x, y \in Null A$$

$$c) \quad x, y \in Null A$$

$$d) \quad x \in \mathbb{R}^{n} : A_{x} = 0$$

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$$d) \quad x \in \mathbb{R}^{n} : A_{x} = 0$$

