

Ausunen 2 (Dewipnax)

E6rw $A = \text{con}\{\alpha_1, \dots, \alpha_m\}$, $\alpha_1, \dots, \alpha_m \in \mathbb{P}^n$. Toze.

$$T_i(A) = \left\{ \lambda_1 \alpha_1 + \dots + \lambda_m \alpha_m \mid \lambda_i > 0, \sum_{i=1}^m \lambda_i = 1 \right\} \quad (1)$$

Anosetan

$$(2) \text{ E6rw } Q_0 = \lambda_1 \alpha_1 + \dots + \lambda_m \alpha_m, \sum_{i=1}^m \lambda_i = 1, \lambda_i > 0 \quad \forall i = 1, \dots, m$$

E6rw $\alpha \in A$. Nequans $\alpha_0 \in A$.

$$\alpha = \mu_1 \alpha_1 + \dots + \mu_m \alpha_m, \mu_1, \dots, \mu_m \geq 0, \mu_1 + \dots + \mu_m = 1.$$

$$\text{Trifroute } \mu > 1 \text{ w6te. } \mu \lambda_1 + (1-\mu) \lambda_1 \geq 0 \dots \begin{pmatrix} \text{general an} \\ \text{zuv kypzotn} \\ \text{cov} \\ [0, +\infty) \end{pmatrix}.$$

$$\text{Toze } (1-\mu) \alpha + \mu \alpha_0 \in A \Rightarrow \alpha_0 \in T_i(A).$$

Toze $(1-\mu) \alpha + \mu \alpha_0 \in T_i(A)$, kac

(2) Y70 d6ewut + twpa ou $\alpha_0 \in T_i(A)$, kac

$$\alpha^* = \frac{1}{m} (\alpha_1 + \dots + \alpha_m). \text{ Toze } \underline{\alpha^* \in A}. \text{ And zw}$$

ziounen ① $\exists \mu > 1$ kac $\alpha \in A$ w6t

$$\alpha = (1-\mu) \alpha^* + \mu \alpha_0$$

$$\text{Emions } \alpha = \mu_1 \alpha_1 + \dots + \mu_m \alpha_m, \mu_1, \dots, \mu_m \geq 0$$

$$\mu_1 + \dots + \mu_m = 1.$$

$$\text{Otoze } \alpha_0 = \left(\frac{\mu_1}{\mu} + \frac{\frac{\mu-1}{m}}{\mu} \right) \alpha_1 + \dots + \left(\frac{\mu_m}{\mu} + \frac{\frac{\mu-1}{m}}{\mu} \right) \alpha_m.$$

Eival tns topens. $\lambda_1 \alpha_1 + \dots + \lambda_m \alpha_m$ par

$$\sum_{i=1}^m \lambda_i = 1$$

Ap2 iswi et u 100m72 (1)