

# Quaternionic torus graph

$T: 2n$ -valent

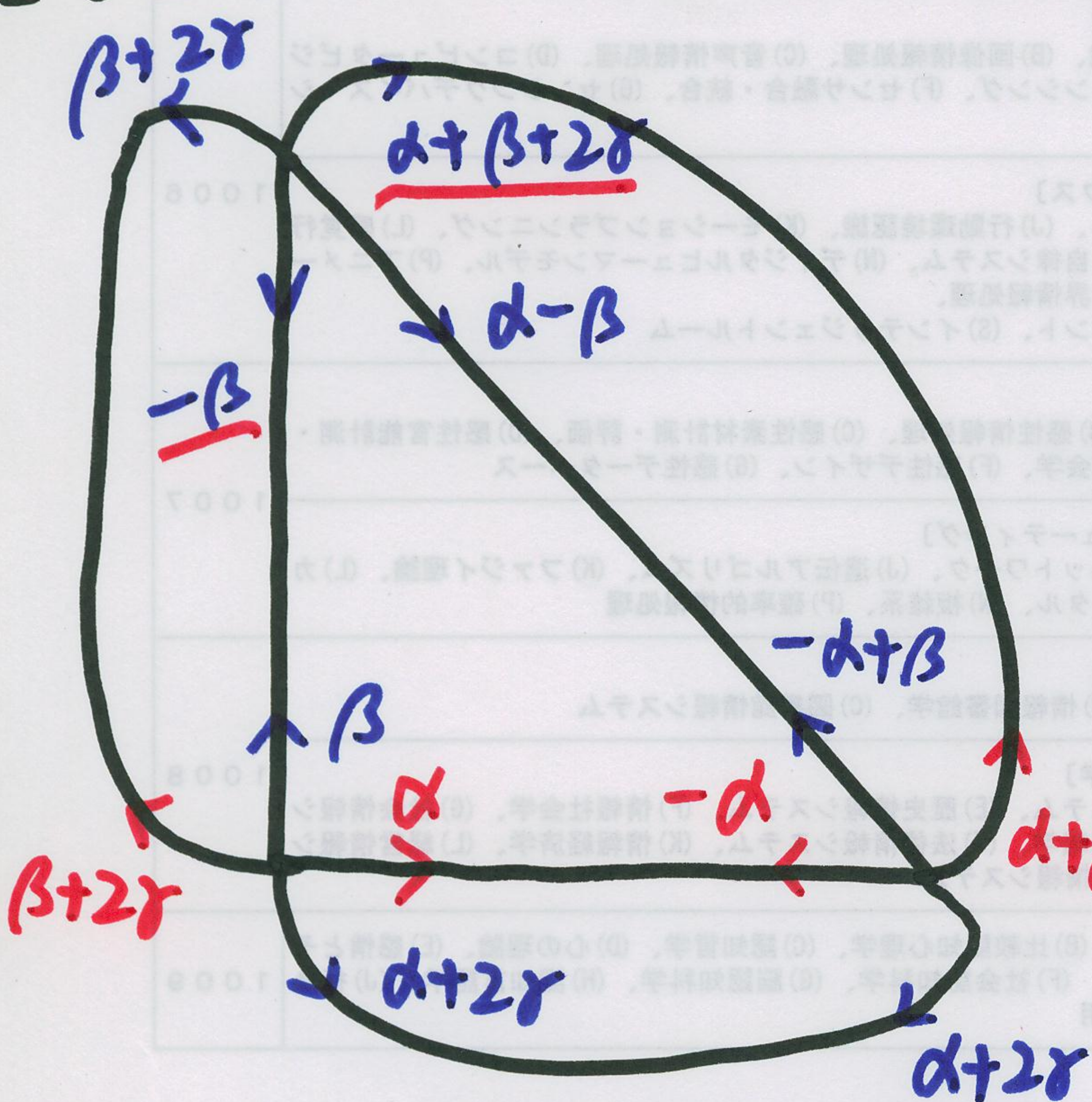
$$\alpha: E_p^\Gamma \longrightarrow (t_{\mathbb{Z}}^{n+1})^*$$

$$E_p^\Gamma = \{e_1^+, \dots, e_n^+, e_1^-, \dots, e_n^-\}$$

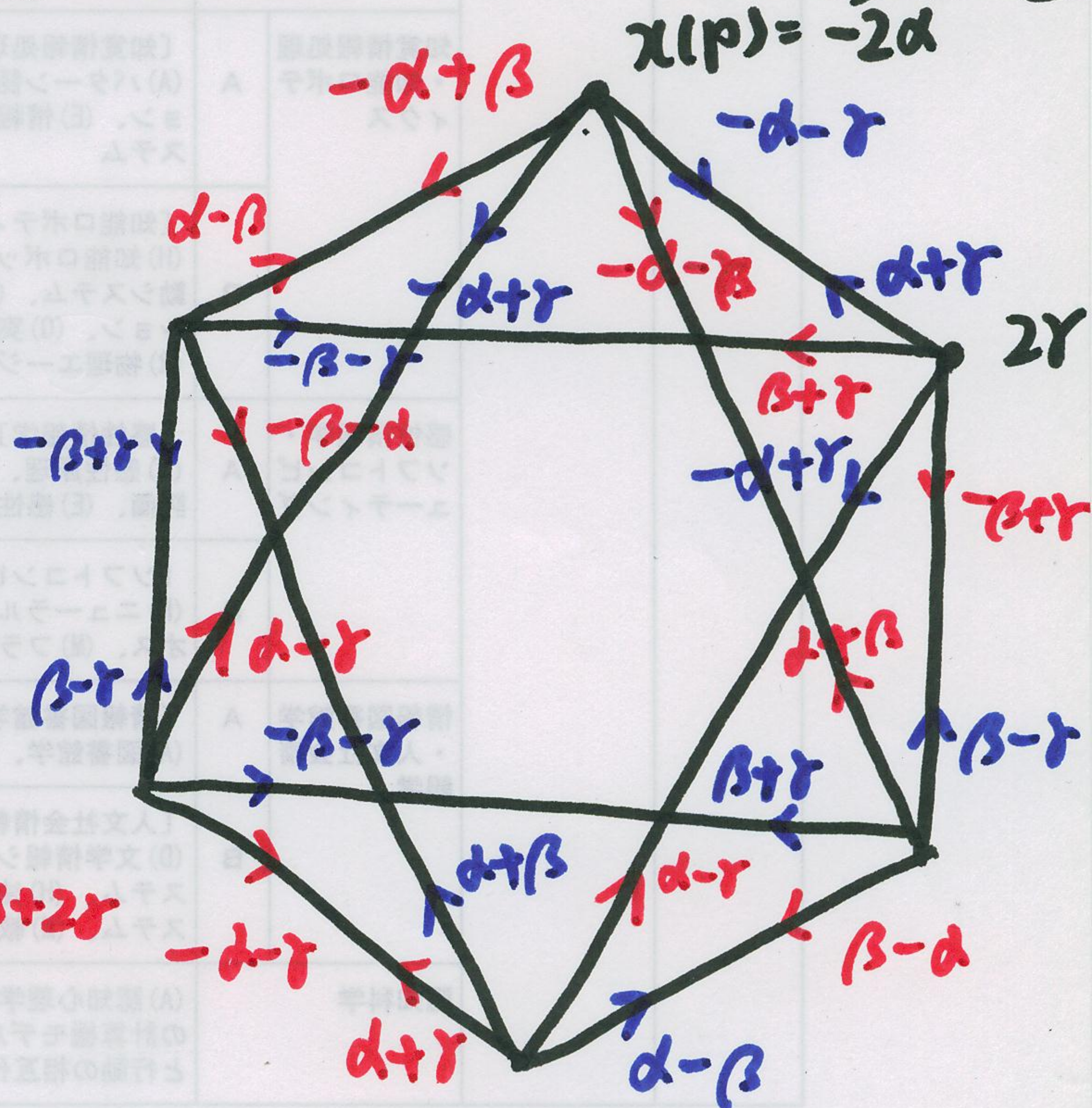
$$\alpha(e_i^+) + \alpha(e_i^-) = \chi(p) \text{ depend on } p$$

(e.g. GKM-graph by

- quaternionic projective space
- complex quadric.



$\leftarrow T^3 \cap \mathbb{H}P^2$



$\leftarrow T^3 \cap Q^4$