Rominand ypynna orpaxemus -> Cxena Konerga -> noroxurertus supeg ноприна Грана Р  $\Gamma = S^{T} \Lambda S = (\int \Lambda \cdot S)^{T} \cdot (\int \Lambda \cdot S)$ encremen mysertex nopreti Colpmens de de S-option.

A=(x, x,) D={d1,..,dn } < R" pespo oregrerages (m=2) per po reporte (m=3)  $\Gamma = \left(-\cos\frac{\pi t}{m_{ij}}\right)^{\infty}$ nullo c otherhori m (M73) perpo e orrestion m (M73)  $\langle \overline{2} \text{ bidi}, \overline{2} \text{ Gdj} \rangle = (b_1, b_n) \Gamma(\frac{1}{c_n})$ 1) (2,45° & (2,25 (4,47 (Koun) Cregerbus nonox on peg. ?: 2) (2,2) > Z (2,E,) gue optonoprimobanire E,

(Tupquop) Kiaccuphikalyus Cbszhoix CXeM KokcTepa 1) G-CK, G' nongroeter y G yganemien Epuny, CK (2) CK vu cogepxur yunde 0 < < d, + dze...+dn, di+dzt...+dn>= n-2 \( \int \cos\frac{\pi}{m\_{ij}} \leq n-\frac{\piedep}{\phi} #pélep < n 3 CK He eogepseut nogessen tunob = 1 een #pélep < n

24 0 24 24 0 een pespo CK - gepebo

1 proctoe pespo - pespo bej otputten 1= $(d,d)^2 > \frac{4}{2}$   $(α,α)^2 > \frac{5}{2}$   $(α,α)^2 > \frac{5}{2}$   $(\frac{1}{2})^2 = 1$  (η) Μοχικο ετεμήτο yenoτική προσιαχ μπορ eemitck, to 4 Toxe CK  $(d_1d) = \sum_{i=1}^{k} (d_i, a_i) + 2\sum_{i=1}^{k} (d_i, a_{i+1}) = k - (k-1) = 1$   $(d_1\beta) = (a_1\beta)$ (4,7)=(dk,7) ( whoise crown must rusky nuru a nongrup your is ware )

(6) 
$$\frac{1}{0}$$
  $\frac{1}{0}$   $\frac{1}{0}$ 

$$R^{4} \simeq H = \{ \times + yi + zj + tk, \times, y, z, t \in R \}$$

$$i^{2} = j^{2} = k^{2} = -1$$

$$ij = k, jk = i, ki = j$$

$$\alpha_{1} = \frac{1}{\sqrt{2}}(i-j), \quad \alpha_{2} = \frac{1}{\sqrt{2}}(j-k), \quad \alpha_{3} = k, \quad \alpha_{4} = \frac{1}{2}(1-i-j-k).$$

$$- Theoretic kopill Fy$$

$$\alpha_{1} = \frac{1}{2}(\varphi^{-1} - \varphi j - k), \quad \alpha_{2} = \frac{1}{2}(-\varphi i + \varphi^{-1} j + k),$$

$$\alpha_{3} = \frac{1}{2}(\varphi^{-1} i + j - \varphi k), \quad \alpha_{4} = \frac{1}{2}(\varphi^{-1} i - j + \varphi k)$$

$$- \mu_{1} \rho_{2} \rho_{3} \rho_{4} \rho$$

SU(2) gbyructure SD(3)

Eur. yrynna X --- Symt X