PROBLEMA GUIAZ | #18 Trĉ=Cii=RirRir (Cig=RirRgr) Rik = Sik coso + nink (1- wso) - send Eingng Tr  $\hat{C} = \left( S_{ik} \cos \theta + n_i n_k (1 - \cos \theta) - sem \theta \in ik g n_g \right)$ x (8ix coso + nink (1-coso) - seno Eine Me) = SikSik coso + Siknink coso (1-coso) - 0500000 - SEMB COSO SIKEIRENE + SIKNINK COSO (1-COSO) + n; nkn; nk(1-coso)2-(1-coso) seno Eikenen; nk - senocoso Six Eikgng-(1-coso) seno Eikgningnk

+ sento Eiky Eike ny Ne

Obs. 
$$E_{ike} n_e n_i n_k = (E_{ike} n_k n_e) n_i$$

$$= (n_i n_i) \cdot n_i = (n_i n_i) \cdot n_i = 0$$

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 $E_{ikg} n_i n_g n_k = 0$ 

Obs.

 $S_{ik} S_{ik} = S_{ii} = 3$ 

Obs.  $n_i n_i n_k n_k = n^2 n^2 = 1$  (dado que por condición  $|n_i| = n = 1$ )

Obs.  $S_{ik} E_{ikg} n_g = E_{iig} n_g = 0$ 
 $S_{ik} E_{ikg} n_e = E_{iie} n_e = 0$ 

Obs. Siknink = nini = n2 = 1.

 $T_r = 3 \cos^2\theta + 2\cos\theta(1-\cos\theta) + (1-\cos\theta)^2$ +  $\sin^2\theta (8 \cos 8 - 8 \cos 8 \cos 9 \cos 9)$  000

 $Tr \hat{C} = 3\cos^2\theta + 2\cos\theta(1-\cos\theta) + (1-\cos\theta)^2$ +2 Sem<sup>2</sup>0

 $=2\cos^2\theta+1+2\sin^2\theta=3$