A3-2. NA. E2-2 = cost E2 Ey + E2 Ey = E2 Sin2d Ex+ Ex - 2 cosd Ex Ex = sind E, = E, cos 0 + E, sin 0 Ez = Ey sin0 + Ez cos 0 2 cos d (E; cos O + E; sin O) (E; cos O - E; sin O) = sin 2 d  $\frac{E_{y}^{12}\left(\frac{\sin^{2}\theta}{E_{z}^{2}} + \frac{\cos^{2}\theta}{E_{z}^{2}}\right) + \frac{E_{z}^{12}}{\sin^{2}\theta}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{\sin^{2}\theta}{E_{z}^{2}}\right) + \frac{1}{2}$ + 2 E' E' Sin O COSO (E' - E') - 2 E, E, cost (E' E' cos 0 + E' cos 0 Sin 0 -- Ey 25in @ cos 0 - Ey Ez 3in 2 @) = 1  $\frac{E_{x}^{12}}{5in^{2}d}\left(\frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{2\cos d Sin \theta \cos \theta}{E_{z}E_{z}}\right) + \frac{E_{z}^{12}}{Sin^{2}d}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} - \frac{2\cos d Sin \theta \cos \theta}{E_{z}E_{z}}\right) + \frac{E_{z}^{12}}{E_{z}^{2}}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{2\cos d Sin \theta \cos \theta}{E_{z}^{2}}\right) + \frac{E_{z}^{12}}{E_{z}^{2}}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{2\cos d Sin \theta \cos \theta}{E_{z}^{2}}\right) + \frac{E_{z}^{12}}{E_{z}^{2}}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{2\cos d Sin \theta \cos \theta}{E_{z}^{2}}\right) + \frac{E_{z}^{12}}{E_{z}^{2}}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{2\cos d Sin \theta \cos \theta}{E_{z}^{2}}\right) + \frac{E_{z}^{12}}{E_{z}^{2}}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{2\cos d Sin \theta \cos \theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}}\right) + \frac{Sin^{2}\theta}{E_{z}^{2}}\left(\frac{\cos^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}} + \frac{Sin^{2}\theta}{E_{z}^{2}}$ 4 2/E2 5/00 COS D E2 - E2 E4 E2 SIND COS O - E, E2 con L E2 E 4002 D + E, E2 CON L E2 E1 SIN EXE SIND CORD E2-E2E E SIND CORD - E E COS LE E ( B) - Sin Dio (E2-E2) sin 0 cos 0 = E, E, cos 2 (cos 0 - sin 0) 381n20 (E2-E2) = E.E2 COS 2 COS 20 +920 = ZE, E2 Cosd

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1$$

$$\begin{array}{c} x \ 4. \\ (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ x \\ (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} + a_{y} \ \delta_{y} + a_{z} \ \delta_{z}) \ y \\ = (a_{x} \ \delta_{x} +$$