(~, 0, 4)

Laging balon assimings

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What the unit nectors look like in term of ~ ~ ~ ~

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= Luiug card y + Lasing cuius = t down & &

To rector bounding in a $\frac{1}{2a}$ $\frac{1}{2a}$ $\frac{1}{2a}$ $\frac{1}{2a}$ $\frac{1}{2a}$ $\frac{2a}{2a}$ $\frac{2a}{2a}$ $\frac{2a}{2a}$ E gener + E & wing puison + 2 + card & Équis de la prisona de la presona - ring + cord 7 Infiniterinal Lisplace ments: $9r^{2} = 9r$ 27× 190 Gra 4 b Brian = pl

· Displacement rector: 2 = 2 + 7 + 6 85 + 7 = 25 \$\frac{1}{2}\$ · Infiniterimal valume element. dz=dxdydz contes ニ しょ Din 8 9 4 9 9 9 $r = (0 > \infty)$ $d = (0 - 32\pi)$ $d = (0 - 32\pi)$. Surface element (das) Don surface of a sphere då, = dladlør r = R = 2 ving 9994 & Dourbace Ging on N, 3 plane. dc= ch- dh & 8 = rdrd\$ 8 $(\sin \theta = 1)$

A rector Deriver:

Condient
$$\overline{7} = \frac{37}{31} + \frac{87}{81} + \frac{37}{31} = \frac{7}{31}$$

$$\frac{32}{91} = \frac{3e}{3l} \left(\frac{2l}{3e}\right) + \cdots - \frac{3e}{3l} \left(\frac{3r}{3e}\right) + \frac{3e}{3l} \left(\frac{3r}{3e}\right) + \frac{3e}{3l} \left(\frac{3r}{3e}\right)$$

$$\frac{37}{87} = ...$$

$$\frac{2}{\sqrt{2}} = \frac{2}{\sqrt{2}} + \frac{2}{\sqrt{2}} = \frac{2}{\sqrt{2}} + \frac{2}{\sqrt{2}} = \frac{2$$

$$\sqrt{2} \times \sqrt{2} = -$$

Cylindrical coordinates!

71 2174

P(3, 4, 7)