

$$2.6,2)$$

$$x^{2}+4y^{2}+z^{2}-3x+8y+4=0$$

$$x^{2}-3x+(-1)+4(y^{2}+3y)+z^{2}+4=0$$

$$(x^{2}-3x+(-1)+4(y^{2}+3y)+z^{2}+4=0$$

$$(x-1)^{2}+4(y+1)^{2}-4+z^{2}+4=0$$

$$(x-1)^{2}+4(y+1)^{2}+z^{2}=1$$

$$(x-1)^{2}+4(y+1)^{2}+z^{2}=1$$

$$3 \text{ var, } 3 \text{ ss}^{2}, \text{ all } (+)$$

$$Z=0, \frac{(x-1)^{2}}{4}+\frac{(y+1)^{2}}{4}=1$$

$$E \text{ lipsoid}$$

$$x=1, \frac{(y+1)^{3}}{4}+\frac{z^{2}}{4}=1$$

$$(-4,4\sqrt{3},4)$$
 $R(x,y,z) \rightarrow C(r,\theta,z)$

$$\Theta = \arctan \frac{y}{x}$$

$$\Theta = \arctan \frac{4\sqrt{3}}{-4}$$

$$\Theta = \arctan \frac{-\sqrt{3}}{1}$$

$$\Theta = \arctan \frac{3}{1}$$

$$\Theta = \arctan \frac{3}{1}$$



$$(8, \frac{2\pi}{3}, 4)$$

$$G = \pi - \frac{\pi}{3} = \frac{2\pi}{3}$$

$$(2.7, 2)$$
 $(2.7, 2)$

$$Z = 4r\cos\theta \qquad X = r\cos\theta$$

$$Z = 4x$$

$$Z = 7x$$

27,4)
$$R(0,1,\sqrt{3})$$
 $R \rightarrow S(p,\theta,\phi)$
 $X = 0$
 $y = 1$
 $Z = \sqrt{3}$
 $C = 0 + 1$
 $C = 1$
 $C =$

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