10. 3D - ray coobenin myron les boen mproetpanette $V(x,y,z) = \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}$ $\frac{x^2}{26^2} + (\alpha - x)^2 t^2 = \frac{x^2}{26^2} + \alpha^2 t^2 - 20x t^2 + x^2 t^2 - \alpha^2 t^2 + x^2 \left(\frac{1}{20^2} + t^2\right) - 20x t^2 - x^2 + \alpha^2 t^2 + \alpha^2 t$ $= a^{1}t^{2} + (\frac{1}{202} + t^{2}) \left[x^{2} - 2 \times \frac{a^{2}t^{2}}{202^{2}t^{2}} \right] = a^{2}t^{2} + (\frac{1}{202} + t^{2}) \left[x^{2} - 2 \times \frac{a^{2}t^{2}}{202^{2}t^{2}} \right] = a^{2}t^{2} + (\frac{1}{202} + t^{2}) \left[x^{2} - 2 \times \frac{a^{2}t^{2}}{202^{2}t^{2}} \right] = a^{2}t^{2} + (\frac{1}{202} + t^{2}) \left[x^{2} - 2 \times \frac{a^{2}t^{2}}{202^{2}t^{2}} \right] = a^{2}t^{2} + a^$ $\sqrt{(x-x_p)^2+(y-y_p)^2+(z-z_p)^2} = \sqrt{\pi} \int_{\infty} \frac{1}{(x-x_p)^2+(x-y_p)^2+(z-z_p)^2}$ $P(q,\sigma,t) = \int_{-\infty}^{\infty} e^{-\frac{x^2}{2\sigma^2}} - (q-x)^2 t^2$ $N(x, 3, 5) = \frac{1}{(3x, 3)^{2}} = \frac{1}{(3x, 3$ = 252 /252+t2 + (262+t2)[x-a22]2

Imo notemenar la bien upoetpanette , man mo $P(q, \sigma, t) = \int_{-\infty}^{\infty} \frac{x^2}{2\sigma^2} - (q-x)^2 t^2$ une enhaberment anotherm spason: V(x,y,z) = 8 0x0x0x 1/2 (Q 1+2622 = 12x52 - 0.72 - 0.72 1/252+t2 V 1+ 262+2) (1+25x2t2)(1+25x2t2)(1+25x2t2) N oft - [x/202+t2 - $\int_{\Theta} \frac{\alpha^2 t^2/25^2}{\sqrt{\alpha^2 t^2}}$ 6 1+2021+2 V211 0/2 426322 + 7242 -V1+26x2+2 - ((x + t2) (x - \frac{\gamma^2 + t^2}{\gamma^2 \gamma^2 + t^2}] 2 6 1+20372 1+20372 1+20372 17.822+1/

Eam 6 miserbanax nefrenum e $w = 1/t^2$, mo v.k $\frac{1}{2} \left[\frac{1}{2} (x_1 x_2 x_3 x_4 x_5)^2 \left(\frac{1}{2} (x_1 x_2 x_4 x_5)^2 \left(\frac{1}{2} (x_1 x_2 x_4 x_5)^2 \left(\frac{1}{2} (x_1 x_3 x_4 x_5) + \frac{1}{2} (x_1 x_4 x_5)^2 \left(\frac{1}{2} (x_1 x_4 x_5) + \frac{1}{2} (x_1 x$ $E_{x} = -\frac{\partial V_{x}}{\partial x} = \frac{20}{\sqrt{\pi}} \times \int t^{2} e^{-\left[1 + 26x^{2}t^{2} + \frac{y^{2}}{1 + 26y^{2}t^{2}} + \frac{2}{1 + 26z^{2}t^{2}}\right]} t^{2}$ Ez (x4x) = 2 = 2 = 2 = (3te $E_{3}(x,y,z) = \sqrt{\pi} 2 \int_{-\infty}^{\infty} \sqrt{(20x^{2}+\omega)(20x^{2}+\omega)^{2}} \frac{d\omega}{(20x^{2}+\omega)}$ ~ V(+26x42)(1+26x222) (1+26x22) ~ \(\left(1+\gamma^2\t^2)\left(1+2\Gamma^2\t^2)\left(1+2\Gamma^2\t^2)\left(1+2\Gamma^2\t^2)\left(2)\le V(1+20x2+2)3 (1+20x2+2)(1+20x2+2) 一) ド. dw = - 2dt, rouga

 \bigcirc

2°. 3D agnapregnisin municoug c nempostello -> Kanzuhenen (c aunstracture 3: nomemiend buythu; enuncouga!

 $V(x,y,z) = \pi pabc$ $\int \left[1 - \frac{x^2}{a^2 + s} - \frac{y^2}{b^2 + s} - \frac{z^2}{c^2 + s}\right] \frac{ds}{\sqrt{b^2 + s}(c^2 + s)}$

nomentual chappen sommeonga:

ist y- movement monsucurent monsucurent monsucurent to the series $V_{\text{out}}(x,y,z) = \text{trabe} \left\{ \left[1 - \frac{x^2}{a^2 + s} - \frac{y^2}{b^2 + s} - \frac{z^2}{c^2 + s} \right] \frac{ds}{\sqrt{a^2 + s} (b^2 + s)(c^2 + s)} \right\}$ 102+1 + 42 + C2+2 = 1

morde work comphaci.

$$M_{x} = abc \left\{ \frac{ds}{\sqrt{(a^{2}+s)^{3}(b^{2}+s)(c^{2}+s)}} = \frac{abc}{a^{2}} \right\} \frac{ds}{\sqrt{(1+\sqrt[3]{a^{2}})^{3}(\frac{b^{2}}{a^{2}} + \frac{s}{a^{2}})(\frac{c^{2}+s}{a^{2}})^{2}}} = \frac{abc}{a^{2}}$$

$$M_{3} = \frac{b}{a} \frac{c}{a} \left(\frac{a}{\sqrt{1+c}} \right) \left(\frac{b^{2}a^{2}+c}{\sqrt{a^{2}+c}} \right)^{3} \left(\frac{c^{2}a^{2}+c}{\sqrt{a^{2}+c}} \right)^{3}$$

$$M_{\times}(\lambda) = \frac{b}{a} \frac{c}{a} \left(\frac{1}{a} \frac{1}{a$$

Thornamine and I musel monation noperior moider Wils) (1=x,x,z) 3º. Lapostolle: my some moment of the moment purpos, uno na negetimo mine misente ma negetimo X+ Y+Z=1 mengequentemo repoxoque 6 Mi (i=x,y,z), Te, nous ne repuis cuerke Mu rehouvere groundagen sake skontreonder amount Ey(x,4,2)= 2TCO.Y Ez(x,y,2)=-3/out=275,2.M2(x), re M2(x)=b.c \ \(\lambda \lambd 1 = X/Q2 + 1 page 1 1 + 1 + 02 $uqe M_3(\lambda) = \frac{b}{a} \frac{c}{a} \int \sqrt{(+s)(b^{3/2}+s)^3(c^{3/2}+s)}$ 1 1+2 1+62 1+C7 1+C7 1+C7 0-(%