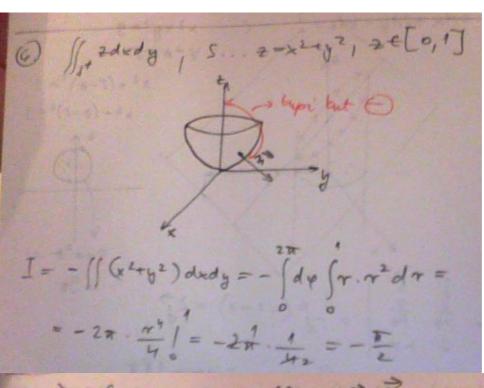
$$\frac{\vec{x}}{\tau^*} = \frac{\times \vec{x}^2 + \vec{y} \cdot \vec{y}^2 + t^2}{\times^2 + y^2 + t^2} = \frac{\times}{\times^2 + y^2 + t^2} + \frac{\times}{\times^2 + y^2 + t^2} + \frac{2}{\times^2 + y^2 + t^2} + \frac{2}{\times^2 + y^2 + t^2} + \frac{2}{\times^2 + y^2 + t^2} = \frac{\times}{\alpha_s}$$

$$dlu\left(\frac{r^{2}}{r^{2}}\right) = \frac{\partial a_{1}}{\partial x} + \frac{\partial a_{2}}{\partial y} + \frac{\partial a_{3}}{\partial z} = 0$$

$$\frac{x-1}{2-1} = \frac{y-1}{3-1} = \frac{2-1}{4-1} = t$$

t= 3++1 , t e[0,1] dy=201+ d2=3d+ ++1 .dt + h (++1) . 2dt + (3++1) . 3dt = [[+1 +9++3 +2ln(++1)]dt = =6+ hi3 + hills planel = [(x,ye) dx +] x,2 dy + [(x,ye+24)dx = = \$ (2x+8+)dx + \$0.2dy + \$ (0.0+2+)dx = = x21 + y+x1 + +21 + (= I = p(1,2,2)-p(1,0,1)=1+4+4-(1+0+1)=9555-0



(1) a)
$$\int_{C} a_{1} dx + a_{2} dy + a_{3} dx = \iint_{S^{+}} rota^{2} dS^{2}$$

b) $\int_{C} edx + 2dy - xdx = \frac{2}{3}$

$$x^{2} + (5-e)^{2} = 9$$

$$x^{2} + (6-e)^{2} = 9$$

$$x^{2} + (6-e$$