$$-((x+y)-22x)(-x+y)^2y-2)+(1+2x)y((x+y)-22y)=0$$

$$((x+y)-22x)y^2y$$

$$+((x+y)-22x)y^2$$

$$+((x+y)-22x)y^2$$

$$+((x+y)-22x)y^2$$

$$+((x+y)-22x)y^2$$

$$+(2y-2y)^2x^2y+(x+y)(x+2+y)=0$$

$$(-x^2-z^2+(x+y)y)^2x+(-2y-(x+y)y)^2y$$

$$+(2y-2y)^2x^2y+(x+y)(x+2+y)=0$$

$$[2-y)(x+2+y)=2x+2^2+2y-xy-2y-y^2]$$

$$=2x+2^2-xy$$

$$P(x,y,z,u) u_{x} + Q(x,y,z,u) u_{y} + R(x,y,z,u) u_{z} = S(x,y,z,u)$$

$$\frac{Jx}{P} = \frac{Jy}{Q} = \frac{Jz}{R} = \frac{Jz}{S}$$

$$\frac{Jz}{S} = \frac{Jz}{S} = \frac{Jz}$$

$$P(x,y,z) Z_x + Q(x,y,z) Z_y = R(x,y,z)$$

$$\Gamma : curve Y(t) = \begin{cases} x = x(t) \\ y = y(t) \end{cases}$$

$$|z = z(t)|$$

$$\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R}$$

$$C_1 = C_1(t)$$

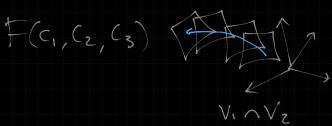
$$C_2 = C_2(t)$$

$$t = F(C_1, C_2)$$

 $P(x,y,z,u) U_x + Q(x,y,z,u) U_y + R(x,y,z,u) U_z = S(x,y,z,u)$ 

$$\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R} = \frac{du}{S}$$

 $\int : \gamma'(t) = \int_{y=y(t)}^{x=x(t)}$ 



 $U_X + U_y + U_z = 0$ 

$$\frac{dx}{1} = \frac{dy}{1} = \frac{dz}{1}$$

$$du=0$$
 $u=C$ 

$$C_2 = x - y$$
  
 $C_3 = y - z$ 

$$x(t) = t + 5$$
  
 $y(t) = 2t + 5$   
 $z(t) = t - 5$   
 $u(t) = 5 - t$ 

$$C_1 = s - t$$

$$C_2 = -t$$

$$C_3 = t + 2s L$$

$$t = s - c,$$

$$y' = f(x, y)$$

$$f(x_0) = y_0$$

$$f(x_0) = y_0$$

$$x(t) = t + S$$
  
 $y(t) = 2t + S$   
 $z(t) = t - S$   
 $u(t) = S - t$ 

$$C_1 = S + C_z$$

$$C_1 - C_z = S$$

$$C_2 = -t$$

$$C_3 = t + 2s$$

$$= -C_2 + 2(C_1 - C_2)$$

$$= -3C_2 + 2C_1$$

$$C_3 = -3C_2 + 2C_1$$

$$U = C,$$
 $C_2 = x - y$ 
 $C_3 = y - z$ 

$$(y-7) = -3(2x-y) + 2x$$

$$2u - (y - z + 3x - y) = 0$$