60M -) 1.5.E V(r,t) SDE for -> B.f. E Jest

Vanceh 77 d = (0 - 1) d + 5= 7(r-r) dt+8J) -ve 1.R

CIR 85 dr=(n-81)1+ +5(7) = - V(O-r) Jt + 5 Th

$$V = V(1, t; T)$$

$$dV_i = \left(\frac{\partial V_i}{\partial t} + \frac{1}{2}\frac{\partial V_i}{\partial r^2}\right)Jt + \frac{\partial V}{\partial r}$$

$$for i = 1, 2$$

$$Sust in A$$

2 h u(x,t)= >(a) T(t) 2 x~ de xT1 Jan = XI = (conti -fun-idepol h dep-of t h dep of 11

ds = hdt +odx m->r d(z u dt + w dx) $u \rightarrow (u - \Delta w)$

$$\begin{cases} y^2 \\ \frac{\partial y}{\partial x} + \frac{1}{2} \cos \frac{\partial y}{\partial x} + \frac{1}{2$$

$$\frac{\partial V}{\partial V} = \frac{\partial V}{\partial V} + \frac{\partial V}{\partial V} = \frac{\partial V}{\partial V} + \frac{\partial V}{\partial V} +$$

real drift a Moor x diffusion/vol.

(U- 22) It + w d) rijk-adjuted

drift d(=-8(1-7)dt

DV 7 1 05 S - V= 0

De tos - V= 0

V= S soiet

Norse Cart

Norse Cart 96 97 = 97 = 91, 97 = 0 $0 + 0 + (\mu - \lambda \sigma)S - rS = 0$ $r = \mu - \lambda \sigma$

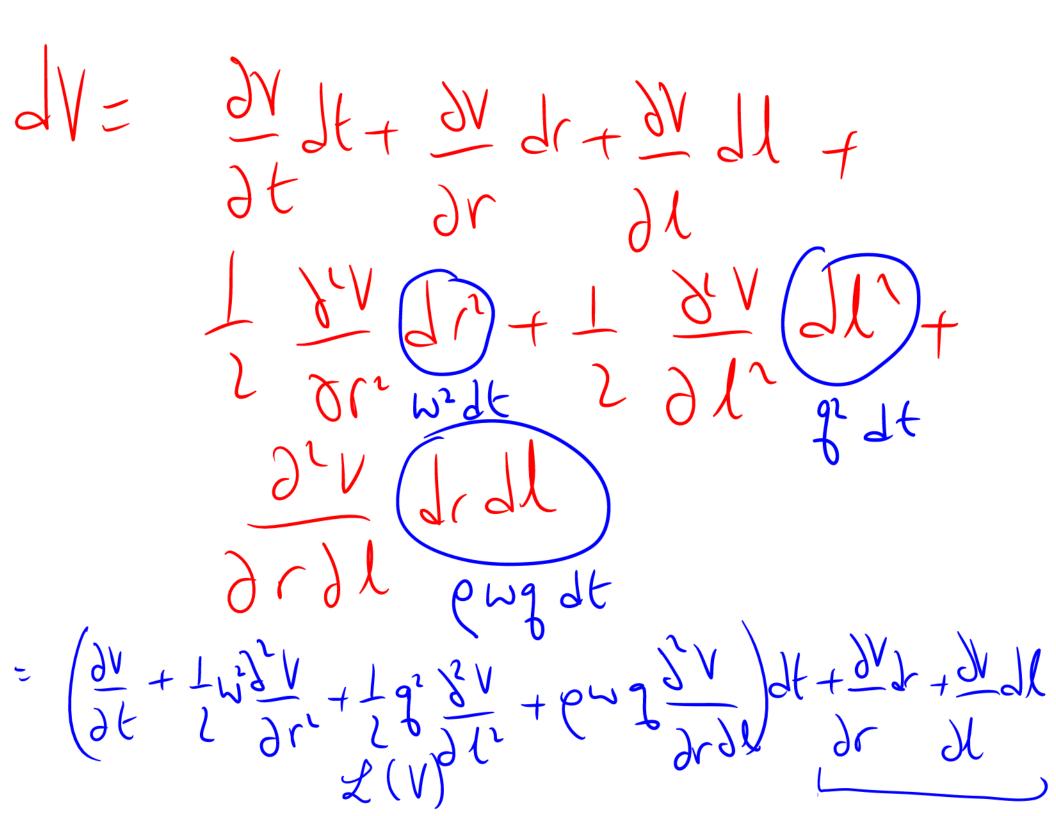
 $\int (t)^{2}$ D(T)=0

$$\int \int \int (\omega^{2}) = 0$$

$$\int \int \int dr \qquad \int \int (\omega^{2}) = \chi(t)$$

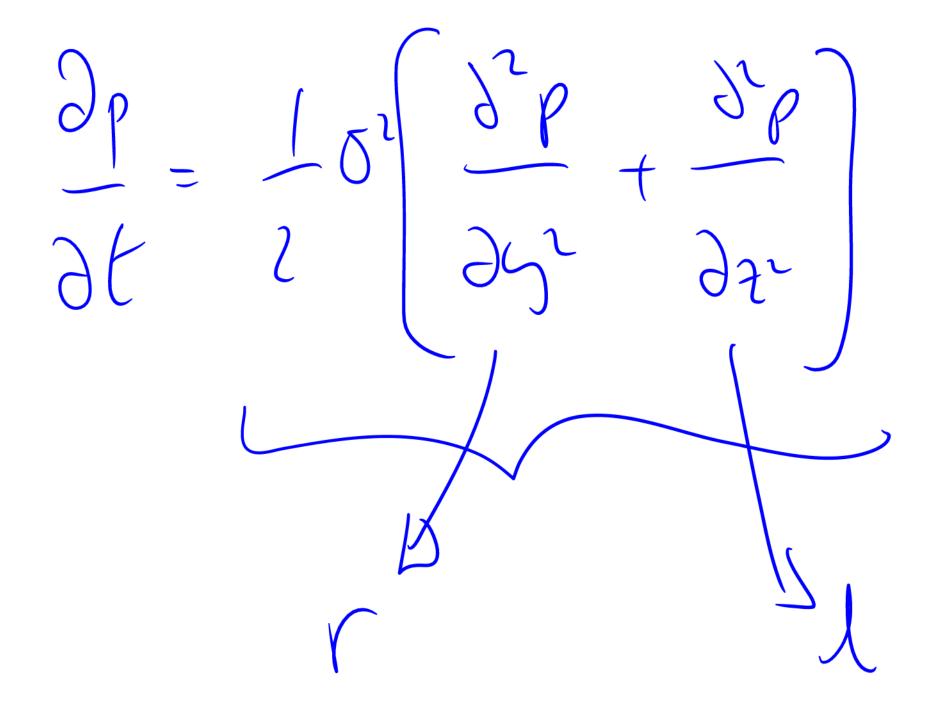
$$\int agai \qquad \omega^{2} = \chi(t)r + p(t)$$

$$\int |de| = 54$$



JV = L(V) Jt + M Jr + M Jl 2r Jl

V = -



level

dy a Adt + Idx

 $\phi^{4}(5,t)$