$$\frac{2}{x} = \frac{1}{x} F(x) + \left(\frac{F(xy) - F(x)F(y)}{F(y^2) - F(y)^2}\right) \left(y - F(y)\right)$$

=> MATLAB

= yn2-4+1 whole new wrong?? How to get e the and e my wo &?? Comment:

X=Mx+RxyRy'(y-My)

12 + M2

Aves not ment of this is the LLSE

for part QM

Sinitar form.

M= +

My = Ely7 = [ [x+v] = ] + 1

Rxy = F(xy] - F(x) F(y) - F(x(x+v)) - [F(x) F(x+v] = E(x2] + E[xv] - E[x] E[x] = E(x] E[v]

= /2 + / (/2) - /2 - / = 0

Non-linear, optimal externate:

let h = argmin [F[(x-h(y)) (x-h(y))]]

since IF ((x-h(y))(x-h(y))) = 0 by definition, then if we kan find hly) sti F=0, hly)=h\* since Exh cannot be any lower value.

Contate calculation ->

$$F[(x+\lambda)(y)=\hat{x}=\frac{1}{1-\mu}-\left(\frac{e^{-\lambda y}}{e^{-\mu y}-e^{-\lambda y}}\right)y=\frac{1}{1-\mu}-\left(\frac{e^{-\lambda (x+\nu)}}{e^{-\mu (x+\nu)}}-\lambda(x+\nu)\right)(x+\nu)$$

$$\Rightarrow F[(x-x^{2})(x-x^{2})^{T}]=F[(x-x^{2})^{2}]=F[x^{2}]-F[x^{2}]-F[x^{2}]+F[x^{2}]$$

$$F(x^{2})=\frac{1}{1-\mu}$$

$$F[x^{2}]=\frac{1}{1-\mu}$$

$$=\frac{1}{1-\mu}-\left(\frac{e^{-\lambda y}}{e^{-\mu y}-e^{-\lambda y}}\right)xy$$

$$=\frac{1}{1-\mu}-\frac{1}{1-\mu}$$

$$=\frac{1}{1-\mu}-\frac{1}{1-\mu}$$

$$E[x^2] = E[x^2] \quad (scalar) = E[x - x(xw) \left(\frac{e^{-1x} - 1v}{e^{-nv} - nv} - 1x - 1v\right)]$$

$$= \frac{1}{2}(x^2 + xv) \left(\frac{e^{-1x} - 1v}{e^{-nv} - 1v} - 1x - 1v\right)$$

$$= \frac{1}{2}(x^2 + xv) \left(\frac{e^{-1x} - 1v}{e^{-nv} - 1v} - 1x - 1v\right)$$

too long ...

48) Optimed Nonlinear extrustry for himary signals

=0 +0 =0