Lars Hansen "asset pricing is all Dort Cevarianels"

Theories of asset price: asset - claim on a stream of prymets d +1, d ++ 2, -- ... Ix diveded dt, dt+1, dt+2, --- cum divided

Basi asset puring model

cum - divided claim as Edition is

 $\beta = \frac{1}{1+\epsilon}$  ,  $\beta = d$  is contracte  $\geq 0$ 

B - discont factor

{d+i}=0 is a varelen process

at t, de is Krom

det2, ... - I de cited by

a Markor press

Maskor claim :

M States, Pnxn, To divided in state is di di, de, ..., In possible value of he State E [1,2,--, n] de = d(st), d an n-demonsional voiter Orangle:  $S = \{1, 2\}$ ,  $P = \{.95, .05\}$  $\Pi_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$  $\overline{d} = \begin{bmatrix} 0 \\ 0 \end{bmatrix}, \overline{\alpha} = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$ Asset pricing model: S'implest Pt = fine at the asset cum directed visk & reethed handy Et future still nothers · rodel 101 - asset prins is all about expectation (mans) Land Hurson - assot Rine une all about

Carainaries (of what will what?)

Stantin - "in asset prien Hereis seve a dell bornet"

Robert Bour at Housend 
"I like Stan 7 in" I "disasters isk"

Pe = dx + & Fit den + & Et detz + ...

(30 b)  $R = \sum_{j=0}^{\infty} \beta_j f_{-j} d_{+j+} d_$ 

Pt+1 = \$ \$ E +1 d + 1 1

(6) is a solution of (64)

Is It the solution or are How are other?

there are others -

let  $d_{\pm} = 0$ . It

Pt = 0 + B Et Pt1 -

$$\beta = \frac{1}{1+g} < 1$$
 $\beta^{-1} = (1+p)$ 
 $\beta^{-1} = (1+p)^{-1} = (1+p)^{-1$ 

$$P_{t} = 0 - \beta P_{t+1}$$

$$C \beta^{-t} = \beta C \beta^{-(t+1)} = C \beta^{-t}$$
ration by Able.

Pt = BEt[d+1+ Pt] Ix dividend
asset

asset

asset

Pt = Et[B(d+1+Pt)]

Law James Ceranianes

Pt = Et [ Pt1 ( dt+1 + Pt+1)]

Bet1 ~ stockete ~ random buindly

David Kreps.

Pt = Et Pth Et ( det1 + Pth)

+ cort ( Bth det1) + cort ( Bth, Pth)