





MIE

DUMPION OF JIVE OFC

BINDING RATE

ON-RATE

$$\mathbb{P}(\text{FREE}) = \frac{\frac{1}{\lambda \sigma} + \frac{\lambda (1-\sigma)}{M_1} + 1}{\frac{\lambda \sigma}{M_2} + \frac{\lambda (1-\sigma)}{M_1} + 1}$$

$$M, \rightarrow 0$$



$$P(Ag) = \frac{2d}{n_2}$$

$$\frac{2d}{n_3} + \frac{\lambda(1-d)}{M_1} + 1$$

DISCRETE STATE -> CONTINUOUS TIME
DISCRETE STATE

DISCRETE STATE

MARKON CHAM

POISSON

MARKEN OHARS

CONTINUOUS TIMES

S7BCHASTIC

DYNAMICS

STOCKASNI PIEFFICHNIA

ERUATIONS

and Marine

PROBABILITY
POSTUBUTION

 $\frac{\partial x}{\partial t} = f(x) + NOISE$

dx = f(x)dt + NoisE

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PRO BABILITY DISVUBUTION HETEROSEWERY A.K.A PARAMETRIC f(x;0) NOISE RANDOM VARIABLE EX y(0) = X y(t): Xe +At $X \sim P_X(z)$ J. Cholh WHAT 15 THEN

ASIDE Suppose PARIABE FUNCTION $X \sim p_{x}(x)$ 15 py(y) ? WHAT SUPPOSE X~ UNIF (0,1) 1 13 NOT TRUE 7MAT PY(y) = C PX(x)