Suzuki - Conveyence of Rod godsminin mohans. 31/08/2016. , meanied Com. Consume of m.m. spences (Geometric) · weak convergence of the laws of BM (Stochamic). Reo (k, s)/RCOM (K, N) Xn mb X x Br- bonnien whom. By weak Bo $\left[Q, (A) \rightleftharpoons (B) \right]$ Brownian motion on Red Spaces. (X,d,m) e ReD(K,D) que. . Ch(4) = \frac{1}{2} \int_{n} \left(\nabla t)^2 dm & \int \width \width{W}^{1/2} (\nabla t, d, m). · He: P(x,m) -> P(x,m). pohability sporce. > I(s, M, P) Earen x e X. I! By: 52 -> C([io, w)), = {w: [a, w) -> x ods}. # [f(Bf)] = . I'n f(Bf) dPx = (Hf)(n) Yf El2 OB6.

Bromin mehon: (SZ, M, Px, Bis).

MG [Law:) Xh = (Xn, dn, mn), mn (Xn) =1. Xn > Xno I] I comp. Sep. met span. (x,d)

Fisan enhed in: Xn C > X. st. in m, weak in p(x) NA: Weaker than mGH, no doubling condition here. Week Conome of BM $B_n^{\alpha}:(\Omega^{\alpha},M^{\alpha},\mathbb{R}^{\alpha})\rightarrow C(E_{\alpha},\infty); \times_n)$ weather. (Ri) # [Pn & P(c(E0,20); xin)) law of BM. (in R1) # Pn & P(-((10,70) 3 X). $\mathbb{B}_{\mathbf{n}}$ $B_n(4) \rightarrow B_{\infty}(4)$. $\forall f \in C_b(c(k_0, r); x))$ Man Th: Xn= (Xn,dn, Mn) m.m. spaces. s. 6. Xn & ReD (k, N), Dom (xn) & D, mn(xn) = 1. Then (X) Xn Why Xx . D. Fight (X,d) Fish entrel. [NE(0,po)]: (EMGH hy)

Cim Never New I nue Xn.

(x,d)

in (x,d) 8.t. $i_n(\beta_n^n)_{\sharp}P_n^{\lambda_n} \longrightarrow i_\infty(\beta_n^\infty)_{\sharp}P_\infty^{\lambda_\infty}$ in $\mathcal{P}(\mathcal{C}(s_\infty);\chi)$.

2). N=00., and no drameter assurption.
The Xn mb X. "M I (X, d) implete fip. [IX C> X. isom. 8.4.
$\frac{1}{4}$ $\frac{1}$
$\lim_{n \to \infty} \lim_{n \to \infty} \lim_{n$
$\mathbb{P}_{n}^{M_{n}}(s) = \int_{X_{n}} \mathbb{P}_{n}^{N}(s) dm_{n}(x).$
At of (1): 9(=) @ 7; shows or fin (Bin) & Print.
relative applicant.
B Connycture of fure din distributions.
Tightness: runfom heut kennel. ent. lela,4), EC, exp {-(1 cl?(a,4))! C,, C2 only dep on. K, N, D. bot med i shorm
C,, C2 only dep on . K, N, D. bot med ihmm
for. dem. dair. Moseo lev. Ch. Schoo Careful estimate.