toolay 15-00 - 16-00 Oppice hour:

Kauli building, 100m KOZ.

Second Example Steet:

On Moste (WSZ. polp)

Exemple closs will be a week on Friday.

Signes we have MC Xe, Xe, ..., Xn.

chain length n (with Scrain retroved)

thes as stationary dist P.

x: e X saple spice

if we have real-valued pundien f(a)

:. F: X-> 1

$$S_n = \frac{1}{h} \sum_{i \neq 0} f(x_i)$$

(Secense nearly perits in the MC are correlated, the actual varionce in Sn will be higher.

[4] or [4]

Dep of the Integrated Actoencelation Time (IAT).

.1 5 d 2 The expedire number up independed souples in MC is near . The IAT lyads on a Selece of f. Typically conide $f(x) = x^k$ per $h = 0, 0, 0, \dots$ det. There "compand perdiens" give us of disposed Use T = 1 (TR) C + "THE IAT" Th = C+

S. = 7 2 f(x:)

02= 1= 55 (a. (fi, fe)

= 1 2 2 Con (fr., feer)

A Ssening MC is stationing.

deepst down on 8 ~ 2 Cov (Pe, Pers)

estinate this

serple cuesionie of from Jein use

il pais up powls of apout

There exist post FFT- seed methods per contacting

a ccyle up other dong notice tats.

- Gelnen-Resin statistic.

conposes militale variance estinder prem objaves sharp

. Ges stabilie.

corpores parts up a single chain.

These are all any consistency cheds.

[-[x2,y2-2 (2x5] 2 [1-6,] $P(x,y) \propto exp$ layed dist

Fishs needs conditional distription

7,3~ P 2(3~ N(33, 1-62)

(1x/y) ~ erp (-x1+2/2xy) this about P(x,g) just as a purties of a

by synnela

3 | m ~) (px, 1-p2)

 $a \exp\left(\frac{-(x-6y)^2}{2(t-6^2)}\right)$

 $E(x,g) = -\log P(x,g)$ = $x^{2} + y^{2} - 2(3x,g)$ = $2(r,g^{2})$

DE x-883