40 0 00 00 00
Stechwslin Blatt 07
The Churtier Blutt 07 Luis Jarche
Ferenz Bung
Sufejule 07:
- t= V = 25.7 Xi de in Ol O- Y
ELVI-ELIS D VI- 15 D ELVI-
LLIM - LI mei = 1 / 1 / 1 / 1
retre $Y_n = \frac{1}{n} \sum_{i=1}^{n} X_i$ deum gill feir $Y_n$ $E[Y_n] = E[\frac{1}{n} \sum_{i=1}^{n} X_i] = \frac{1}{n} \sum_{i=1}^{n} E[X_i] = \frac{1}{n} \sum_{i=1}^{n} E[X_n] = \frac{1}{n} \sum_{i=1}^{n} E[X_n] = \frac{1}{n} \sum_{i=1}^{n} E[X_n] = \frac{1}{n} \sum_{i=1}^{n} E[X_n]$
FZi=nE[xn] - ELxn]
=> lim P([=\sin xi - E[x_1]/\xi) = n-100
. =
lim P(1/n-E[/n]/>E) #  in-xxx  lim (Ver (/n)) _ lim (Ver (nEinxi)) -  in-xx (E2) in-xxx (E2)
in ->co
Pin (Ver (/h) lim (Ver (= Ein Xi)) -
h->00 E2 1-700 E2
1: (5 n Xi) Pin (5 = 7 Var(xi))
$\lim_{h\to\infty} \left( \frac{1}{h} \right)^2 V_{\text{cur}} \left( \sum_{i=1}^{n} \chi_i \right) = \lim_{h\to\infty} \left( \sum_{i=1}^{n} V_{\text{cur}} \left( \chi_i \right) \right) \in \mathbb{R}^2$ $\chi_i \text{ einabhangig } V$
Xi senal hangig 1
lim $\left(\frac{K}{h^2 E^2}\right) \rightarrow 0$ für $K = \max_{i=1,2,} \left(Var(x_i)\right) + \infty$
h->00 (ne)
3 K hangt W  /y  /y  hiv
/w wnn &
nict