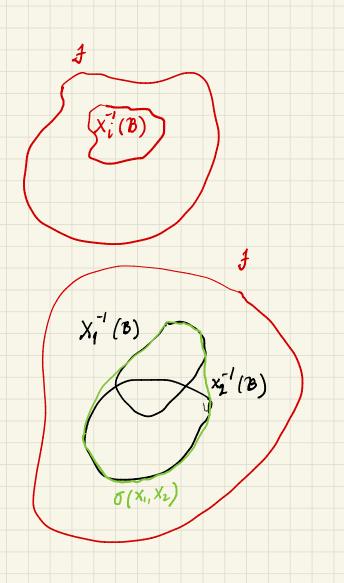
Suppose
$$T = \{i_1 z_1 z_1, ..., n\}$$
 $S = \{1, 2, 3\}$
 $I_1 = \{1, 2\}$
 $I_2 = \{3, 4\}$
 $I_3 = \{5, 6, 7, ..., n\}$
 $J_{I_1} = \sigma \left(\bigcup_{i \in I_1} J_i \right) = \sigma \left(J_1 \bigcup_{i \in I_2} J_i \right)$
 $J_{I_2} = \sigma \left(\bigcup_{i \in I_2} J_i \right) = \sigma \left(J_3 \bigcup_{i \in I_3} J_i \right)$
 $J_{I_3} = \sigma \left(\bigcup_{i \in I_3} J_i \right) = \sigma \left(J_3 \bigcup_{i \in I_3} J_i \right)$
 $J_{I_3} = \sigma \left(\bigcup_{i \in I_3} J_i \right) = \sigma \left(J_3 \bigcup_{i \in I_3} J_i \right)$
 $J_{I_3} = \sigma \left(\bigcup_{i \in I_3} J_i \right) = \sigma \left(J_3 \bigcup_{i \in I_3} J_i \right)$

Any $T = \{t\}$
 $J_{I_3} = J_{I_3} = J$

$$\chi_i : (\Omega, \mathfrak{h}P) \longrightarrow (R, \mathcal{B})$$



$$X_{2}$$

$$1_{1}$$

$$0$$

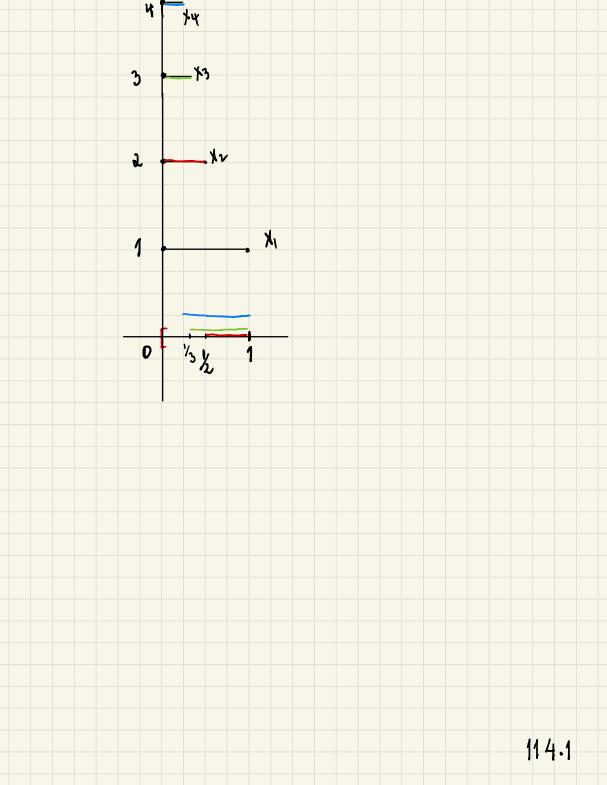
$$1_{1}$$

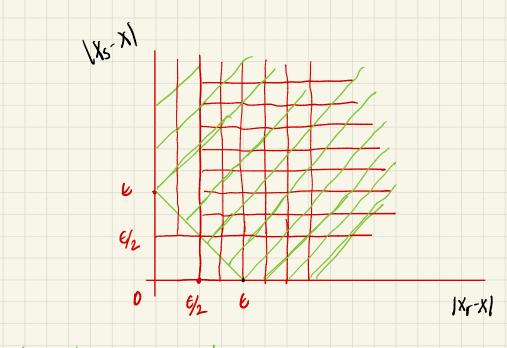
$$X_{1}$$

$$F_{\{i_{1},2\}}(x_{1}, x_{2}) = P(X_{1} \leq x_{1}, X_{2} \leq x_{2})$$

$$P(\{u_{1}, x_{1}(\omega) \leq x_{2}\}, R_{1}^{2}(\omega) \leq x_{2}^{2})$$

103.2





Suppose lim & ai - a < n. Them, Y 620 3 N(E) 9 4 n > N(E) $|\underbrace{\sum_{i=1}^{n} a_{i} - a}| < \varepsilon$ $|\underbrace{\sum_{i=1}^{n} a_{i} - a}| < \varepsilon$ Satp = Sn + I ai => SMP - SN = I at | Sup - Sn | \(| \frac{1}{1} \) ai | . In particular, for p=1 | Snot - Sn | \(| \alpha_{147} | If So converges, it is cauches, hence as nip-so | Smp - Sn | < 6 116.2

· ∑ xn is called a series of the series . The series converges if $\lim_{n\to\infty} \sum_{m=1}^{n} x_m < \infty$. If gries is said to converge absolutely $\lim_{n\to\infty}\frac{n}{|x_m|}<\infty$ Theorem: If a series unverges absolutely, it converges.