$\int_{m}^{\infty} (x) = x \operatorname{arctg}(nx)$ converge uniform on J=[0,0) m=1 cm; J->R is uniform convergent on his crowd convergence J (=) (+) E > 0, JN(E) > 0. s.t. + m > N(E)  $(\forall) \ x \in \mathcal{I} \Rightarrow |f(x) + f(x) + \dots + f(x)| < \varepsilon, \text{ where } p \in \mathbb{N}$   $|f(x)| + |f(x)| + |f(x)| < \varepsilon, \text{ where } p \in \mathbb{N}$ |f(x)| < E  $\Rightarrow$  x arely (mx) < E  $\Rightarrow$  x arely (mx) < E  $\Rightarrow$  x arely (mx) x arely (mx) x arely (mx) $\Rightarrow \text{ arctg } m \times \langle \xi = \rangle m \times \langle tg \xi = \rangle m \langle tg \times \rangle$