Radius of Convergence $\lim_{n \to \infty} \frac{C(n+1)}{a^{n+1}} = \lim_{n \to \infty} \frac{(-1)^{n+1}}{(n+1)} =$ - lim (-1) (3) (x-1) n / = (3/21-1) \ WM M $= \frac{3}{4}(x-1)$ $\frac{3}{4}(\alpha - 1)$ (convergence condition.) α -11 ζ $\frac{4}{3}$ x-1 C +3 O C +x C +3-13 Cx C 73 M-1 - [0 1] -1 4 1] -1 3 1

