Hatvay sour haryados lit. $\sum_{N=0}^{\infty} C_{N}(x-x_{0})^{n} \qquad \lim_{N\to\infty} \left| \frac{C_{N}(x-x_{0})}{C_{N}(x-x_{0})} \right| = 0$ $\left(\sum_{N=0}^{\infty} C_{N}(x-x_{0})^{n} \right) \qquad \lim_{N\to\infty} \left(\sum_{N=0}^{\infty} C_{N}(x-x_{0})^$ $=) \quad (X_{o}-S_{1},X_{o}+f) \subset \mathcal{R} \subset [X_{o}-S_{1},X_{o}+f]$ somorgnatartaring + régrontolat meg sell némi serrel/féjjel grozent. lin 1 (c n = 8 I swelf he's hångados lit. niet "gre-gitett" lourerga" $\lim_{n \to \infty} \left| \frac{a_{n+1}}{a_n} \right| \leq 1 = 2$ Pl.

ao 70

ao 70

ao 70

ao 7

ao 7 ez hen birtos, haro literiz

drisne Pouregrahia Sein, lioner, Il let rel-lair son Eombilatioja · (au) conorat touloiduei portja X, ha tetnéloges toweretéles légteles sol au van a=(-1)"

- toulodisiporto?={-1,1} linsup an = sup{forlødaic i portol} n-700 liviel au = inf { torlodaisi pato?} hirsup(-1) = 1

Megj

line uom midig Fin

line sup, line of mindig Fin

in sup, line o Hayados hitdrim (eros) lowe gail linsup anti (1 =) Eau $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ u pace, n paratla n palather $\left|\frac{d_{n+1}}{a_n}\right| = \begin{cases} \frac{1}{2} \\ \frac{1}{3} \end{cases}$ n palos = 1 < 1 =) terglog hourgail =) linsag (au)

2.)
$$\int_{u=0}^{\infty} u! \times u \to x_0 = 0$$
 $\lim_{u=0}^{\infty} |x^u| = \lim_{u=0}^{\infty} |x^u| = \lim_{u=0}^$

$$= \int_{\xi=0}^{2} \frac{1}{\xi} \cdot \frac{1}{1+x_{0}} = \frac{1}{1+x_{0}} = \int_{\xi=0}^{2} \frac{1}{\xi} \cdot \frac{1}{1+x_{0}} \cdot \frac{1}{1+x_{0}} = \int_{\xi=0}^{2} \frac{1}{\xi} \cdot \frac{1}{1+x_{0}} \cdot \frac{1}{\xi} \cdot \frac{1}{1+x_{0}} = \int_{\xi=0}^{2} \frac{1}{\xi} \cdot \frac{1}{\xi}$$

még herretes sond $Sin x = \begin{cases} (-1)^{\frac{2}{5}} \\ 2 = 0 \end{cases} (-1)^{\frac{2}{5}}$ $2 = 0 \qquad (-1)^{\frac{2}{5}}$ $(-1)^{\frac{2}{5}} \qquad (-1)^{\frac{2}{5}} \qquad (-1)^{\frac{2}$ $\sum_{n=1}^{\infty} \left(\frac{1}{n}\right)^{n-1} d+ c \cdot d \cdot d \cdot e \cdot d \cdot$ logger G_{2} G_{3} G_{4} G_{5} G_{4} G_{5} G_{5} G_{6} G_{6} G_{7} G_{7} bingados Enterior sinx Taylor socala, xo:0 Cuti sulanelyil. O :.

Cu (uz ha a baj, la a neveró o) · lagrage féle na adélétag Tu u.for Taylor pol. Xo Sinil $T_{n}(x) - g(x) = g(x+1) \cdot (x-x_{0})^{n+1}$ $(u+1)! \cdot (x-x_{0})^{n+1}$ abol z egy negfelels som x e's x, list