Myrnacz froolek i promien rbiernosa szeregu hotogowego. Promieu hyrnaczymy hovzystajęc se uzom R= him and $\sum_{n=0}^{\infty} \frac{n+1}{n+2} (x+3)^m$ n=0 $\text{Svooleli:} \quad x_0=-3$ $\text{an}=\frac{m+1}{m+2}$ $\text{an}=\frac{m+2}{m+3}$ promieui: R = him | en | = him | m+1 m+2 m+2 = 1 predicat rbiernosa: x = (-3-1, -3+1) = (-4, -2) $x_0=0$, $a_m=\frac{1}{m!}$, $a_{m+1}=\frac{1}{(n+n)!}$ $R = \frac{1}{n-3+10} \left| \frac{1}{n!} \cdot \frac{(n+1)!}{n!} \right| = \frac{1}{n-3+10} \left| \frac{(n+1)!}{n!} \right| = +\infty$ pheoliet voieżności: (-1+1) = RXo=0, an=m!, ant=(m+1)! R= him | m! | - him | 1 = 0 predict rélierrosa: 20} E 3 (x-2) m $a_{m}=3^{m}$, $a_{m+1}=3^{m+1}$ R = him | 34 | - 1/3 $(2-\frac{1}{3}, 2+\frac{1}{3}) = (\frac{5}{3}, \frac{7}{3})$ preobiet rbiernosci

Rozwin' fundacje w szereg Maclaurina

$$(*)$$
 $f(x) = \frac{+\infty}{2} \frac{f(m)(x_0)}{m!} \cdot (x-x_0)^m$ olle $x_0 = 0$

Steel

M(1+X)= x-2x2+3x3-4x4+ =x5+000