Popryra Teringal Cocraticon 6 popra Margrellica u Media. F: E = IR B(x, a) CR - OTHERIDE f & C" (E), Torgar ] O & (0,1): gra zgo-.  $f(x) = \sum \frac{f(f)}{(a)} (x-a)^{j} + \sum \frac{f(g)}{(a)} \frac{\partial (x-a)}{\partial x-a}^{j}$ Poblicx ruggen.

Husnownen Teuropa nglogua r-p-sun f Bronce a gra neuxob:  $f(x) = \sum_{j:|j| \leq r-j! |j| = r$  $+ \underbrace{\sum_{j:|j|=r+1}^{j}}_{j:|j|=r+1}^{j:|j|=r+1}^{j:|j|=r+1} \underbrace{\sum_{j:|j|=r+1}^{j}}_{j:|j|=r+1}^{j:|j|=r+1} \underbrace{\sum_{j:|j|=r+1}^{j}}_{j:|j|=r+1}^{j:|j|=r+1} \underbrace{\sum_{j:|j|=r+1}^{j}}_{j:|j|=r+1}^{j:|j|=r+1} \underbrace{\sum_{j:|j|=r+1}^{j}}_{j:|j|=r+1}^{j:|j|=r+1}$ (b popme n-20) fars  $f(a+h) = \sum_{h=1}^{\infty} \frac{d^h(a,h)}{h!} + d^{h+1}(a+\theta h,h)$ 18 population |  $f(d+h) = \sum_{j:|j| \leq r} \frac{f(j)}{j!} (a) h^{j} + \sum_{j:|j| = r+1} \frac{f(j)}{j!} (d+Oh) h^{j}$ Donaum Donagatenbabo:

Us upourai Teoperus: f(t) = f(a+th)  $f(x) = \frac{y'}{j!!} = \frac{y'}{j!} = \frac{y'}{j!} = \frac{y'}{j!}$  $, h = x - \alpha$ Q(0)=f(0); Painmen Jopmyny Teanspa coarannon b buge Acrpaniuma goor Q(t) ib Torne o

 $\varphi(t) = \varphi(0) + \frac{\varphi(0)}{\Delta_1}(t) + \dots + \frac{\varphi(r)(0)}{r!}(t) + \frac{\varphi(r+1)!}{(r+1)!} + \frac{t}{t}$  $f(x) = \sum_{j:|j| \in r} \frac{f(j)(a)}{j!} (x-a)^{j} + \sum_{j:|j| = k+1} \frac{f(j)(a+\Theta(x-a))}{j!} (x-a)^{j}$ Tyt pauka b rem: Mbr høger cebrorem (p'i) -no npærsbog-nyro & p. Teinspa gnor (l. Komopyro mor nongrum etan upagor-gyrgen respense o afaire), Tem cambin yaurronian pare-Topuanoi. U bie cynep.

B popme Neaduro:  $f(a_1h) = \sum_{j:ij:ij:i} ca_1h^j + O(|h|^j)$ Banerum, uso  $j^{1}+j^{2}+...j^{3}=r+1$  (grøn nocregerero dinena bapoprie Raspanaa)

Paramen, uso  $h_{1}^{1} \cdot h_{2}^{2} ... h_{m}^{m} = O((hl'), h > 0)$ Paramenem apobo:  $h_{1}^{1} \cdot h_{2}^{32} ... h_{m}^{m}$  |h| = 1Coppe nocregicero Genera Bapapare Rasparas = [his] (h) - [h]im (h) Our bee 21! Novemy?  $|h| = \frac{1}{2} |h_1|^2$ , u,  $\tau u$  no, mbi upoeto gener 1 exoperationally the expany book  $(\pm) = 3$  goodego mo mercuo. => npn h->0 bæpæbus O(h1) gpd'. 4. T. g.