time am = from plu = X / time xu = X HAYORARII 1) Paca FXED is I ampuso sin mensed, outint [mps 1x-mx] or 10 cmplus 1X & MX/(= 2) Daca 3 14mm2mortym-1=00/0.7. [xm = 4m] (=) |xm -) -00] 3) Daca I (ym)mamo tym-200] a.d. |xw=100| RAPORT T= frie XWAY E[0/00] a) Tru -) from xw=0 p) +>1 => time xm=00 RAPORT GEMERALIZAT $I = \lim_{m \to \infty} \left[\left(\frac{x_{m+1}}{x_{m}} \right)^{m} \right] = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \frac{1}{x_{m}} dx$ 0=mx mis C- 12 & (0) 6) L>1 -) Ling xm = 00

-CESARO XW= for sputo as bon- about manadan p) pou-un strafantso c) I lim anti-an =x eil was putt-pu 11HO ALAS 1= mx mil (lay) 1 = N+Mx mil E ATHADOGAVICE xm - limita menula (xm-po) =) Z XM = DiV CONTREBENTA LUI CAUCHY 31M=ME, 0<34. b. b VHOD = MXS >mo a. 0. /xm+p-xm/28, 4m>N. vond chumantica WEI WA JOON DEI generalizata > 6 = 1 200 = 1 = coun ve(-11) Seaw The simple of the service of the se

RAPORTULUI (DIALAMBERT)

$$3 + 2 = \lim_{m \to \infty} \frac{x_{m+1}}{x_m} + [0,\infty]$$

$$3) + 2(-1) = x_{m} = conb$$

$$b) + 2(-1) = x_{m} = 8iV$$

EAABE-WHAMEL

$$3 + 2 = \lim_{m \to \infty} m - (\frac{xm}{xm+1}) \in \mathbb{R}$$

a) $4 \times 1 = 3 \times xm = DiV$
b) $4 > 1 = 3 \times xm = conW$

RADACIMII

$$[3+2+1]$$
 $(3+2)$ $(3$

EAPORT (termeni aanecare)

 $\frac{1}{4} = \frac{1}{4} \frac{$

ZABACINII (tarmoni aanecone)

3 t = tim VIxmI E. [9,00]

m-20

astri-> Ixm=ABS confu

b) t>1 => Ixm=Biv

LEIBHIZ

ow pourso 1 = 2 = 1 = cours

Eam. Um a) am lm-100 b) I hot unt... + Hm 1 = H =) -) Zam. um = conv

ABEL

I am um

a) am-mang, man (=) am-conv/

b) I um = conv

-) Z am um = conv

COMUERGENTA HEUNIFORMA

4m 5>4 - lum | fm (xm) - f(xm) | + of =) fm 5>4

MAJORARII

37:200 Hwx)-t(x)/-an/-14mpt

(six) = -lim Sm(x) suma sociei de functei CAUCHY M3(3)ME, 0134, b.b. 2. U=M&I 3.0.1 fm+1(x)+...+ fm+p(x) / CE ,4m2me weierstrass An-tunctei, an-numbic a) flu(x) [=0.0. MOD=mos (d Ax > XE(D) () IXICI 2 6-13W. XUT= 1×1×1 Tros IXICI (-1/w × 500 = 1+x2)/X/</

 $\frac{1}{\sqrt{1-x^2}} = 1 + \sum_{m \ge 1} \frac{(2m-1)!!}{(2m-1)!!} \times \frac{2m+1}{2m+1}$ ancient = 1 + $\sum_{m \ge 1} \frac{(2m-1)!!}{(2m-1)!!} \times \frac{2m+1}{2m+1}$

POLIHOMUL TAYLOR BE GRAIN M

$$Tm f(x) = f(x_0) + \frac{f'(x_0)}{n!} (x - x_0) + \frac{f''(x_0)}{2!} (x - x_0) + \frac{f''(x_0)}{n!} (x - x_0) + \frac{f''(x_0)$$

RESTUL THYLOR BE ORDIN H

FORMULA WITAYLOR

FORMULA LUI MAC-LAURIN

$$\frac{(\omega + 1)i}{+ + \frac{(\omega + 1)i}{2}(\omega)} = \frac{(\omega + 1)i}{2}(\omega) + \frac{(\omega + 1)i}{2}(\omega) = \frac{(\omega + 1)i}(\omega) = \frac{(\omega + 1)i}{2}(\omega) = \frac{(\omega + 1)i}{2}(\omega) = \frac{(\omega + 1)i$$

SERIA MAC-LAURIA

SCX) = Z g(m) (xxx) (xxxx) m

$$\frac{\omega_{S}}{\sum_{i} \frac{\omega_{S}}{\sum_{i} \frac{\omega_$$