fcx) = -0-1x4-0.15x3-0.5x2-0.25x+1.2

Predear el valor en x=1, con hz1, usando la Serie de toy cor de orden cero hus fa con 4 y cul es cando el resido en cada caso. Rn E= far-aprox F(X=1) -0.91 1.2 4-1 9 - XX 0 0.95 -0.875 -0.75 0.45 +0.35 -0,25 = 0.1 0.3 -0.1 0.2 4 $R = Cn+1) = Cn+1)! = \begin{cases} Cn+1)! \\ Cn+1)! \end{cases} = \begin{cases} E = 0.5 \\ 0.5 \end{cases}$ f(x) = -0.4x3 -0.45x2-X-0.25 Rn= f(4)/1 Rn= f11(2)/2. P'(x) = -1.2x2 - 0.9x -1 Rn= f111(2)/6 f"(x)= -2.4x -0.9 Rn=fice/24 f'(x) = -2.4 f cn = 0 - Rnzo

F(x)=cos(x), x= T/3 usando serige de Jaylor Orden 0-14 entorno a x= T Orden 0-14 dproximada E-Gir- aprox Rn FCX=T/31) -0.207 0.707 -0.79 0 -0.022 -0.0208 0.522 0.003 0.0023 0.497 2 0.001 6.0001 0,4998 0.4993 -0.000008 0.001 81/24 = X: = 17/4 } h= 17/3 - 17/4 = 17/12 817/24 = Xi+= 17/3 } &= 717/29 1 Rn = -0.79 f'cx=-sencx) f(x) = - (05 (x) Z Rn = -0.0208 f"(x)= Scn(x) 6 Rn 2 0.0023 PIV(x)= cos(x) 24 Rn 20.0001 (1) (x) = - sen(x) 120 Rn= -0.000008 $R_{n} = \frac{(3)(x_{i+1} - x_{i})^{n}}{(n+1)!}$ $\frac{2}{\sqrt{3}} = \frac{7\pi}{24}$