Aprilog gnovou (MIXMAT LOMINENT)

• 716620166

3 abrenuoets om napaultphn H.Y.

Dua gering. By napawetra: $\{\gamma'=\beta(x,y,\mu)\}$ $\{\gamma'=\beta(x,y,\mu)\}$

Yerobna zol-tu om napacu espa (uemp. god-Tb):

1)] fe ((6x Im)

2)]] [[[([6 ×] p)

Morga peuleure cyces. n.cg. n. peul. Non-n-op-en eo r. n. p.: 1) d=01x.w1:

1) y= p(x, µ); g=('(îs x [m]

2) = V* = V" =

3) Z:= $\frac{\partial \mathcal{L}}{\partial \mu} \Rightarrow 2$ yglorete erset yp-vo & bapuaukners.

 $2x = \frac{\partial f}{\partial \mu} + \frac{\partial f}{\partial y} - 2$

 $\frac{1064}{|y(0)=1|}$

haurn gm/moo,

 $(y'_{\lambda})_{m} = Y'_{m} + (x + (y^{2}) + 2myy'_{m})$ $2x = 2 + (x + y^{2}) + 2my + 2$ $2/(x + y^{2}) + 2my + 2$

 $\frac{2}{2} \left((x, m) = \frac{1}{2} (2, m) + x + y^{2} (x, m) + 2 m y(x, \frac{1}{2}) \right) + 2 \left((x, 0) + (x + y + 2, 0)^{2} \right) + 0$

y'= Y=> 7 = Cex; C=1

```
2'_{x} = 2 + x + e^{2x}
                                                                                                                                                                                                                                      2=Cex-x+1+e2x
                                                                                                                                                                                                                          Tr. Ym = 0 | m= 13, mo:
                                                                                                                                                                                                                                                           2(0)=0, & Ym(0,m)=1=0
                                                                                                                                                                                                                           2=e2x-
\frac{n1065}{9m}\Big|_{m=0} guæ \begin{cases} Y' = 2x + my^2 \\ y(0) = m-1 \end{cases}
                                 2' = \frac{0}{2\mu} + \frac{0}{2} \cdot 2, we 2 = \frac{0}{\mu} = \frac{0}{2m}
                                                                                                                  2 \frac{1}{2} (2, m) = y^{2} + 2my^{2} | y'(2, 0) = 2x 
 2 \frac{1}{2} (2, 0) = y^{2} (2, 0) | y(2, 0) = x^{2} + (2, 0) = x^{2} + (2, 0) = x^{2} - 1 \Rightarrow y(2, 0) = x^{2} - 1,
                                                         2 \times (2,0) = |x^{2}-1|^{2} = x^{2}-2x^{2}+1
2(2,0) = |x^{2}-1|^{2} = x^{2}-2x^{2}+1
2(0,0)=1
                                                          2= x5 - 2x3 + x+1 //
    \frac{N3}{|Y|^2 + 4m \times -Y^2} \qquad \frac{1}{|Y|^2 + 4m
                                                                                                                                                                                                    Ungen orber & Bugs Q-La FTENA
       N=*(2) m)
                      Y (2, m) = Yo (X)+ Y, (2). m+ Y2(x)m2+ Y3 (x)m3+.....
                                                                               · Yo'(2)+ Y,'(2)m + .... = 4m(x) (x,2(20) + 270 Y, m+...)
                                                                                     I.1 |\gamma_0'(x) = -\gamma_0^2(x)  -\gamma_0 - e b bapuce yuax ua y, u y,
                                                                                                  y, '(x) = 4x - 27/2/1
                                                                                                                                                                                                                                                                                                                                                                                I - 11, 12
                                                                               Morgo: Yoll=1 I.2
                                \rightarrow -\frac{\lambda s}{4\lambda} = 4 \times
                                                            \frac{1}{Y} = x + ( \Rightarrow ) ( = 0, r.e. \quad \gamma_0(x) = \frac{1}{x}
                                          • Y_{1}(x) = 4x - \frac{2}{x} Y_{1}(x) |=> Y_{1}(x) = x^{2} - \frac{1}{x^{2}}
```

NY $||a| \times 1$ $||a| \times$

 $\frac{N5}{340} \frac{34(x, \times 0, \times 0)}{340} \Big|_{3=0} = \frac{3}{2}$ $\frac{34(x, \times 0, \times 0)}{340} \Big|_{3=0} = \frac{3}{2}$ $\frac{34(x, \times 0, \times 0)}{340} \Big|_{3=0} = \frac{3}{2}$