Wertzeneger un Sauinguzen:

2.h. Souppeller Pendel

6 gill: x (4) = x, (4) + x, (4)

x; (+1 = a; co (w; + + 8;)

Sporjallate: WA = WZ: QA= 92 X(+) = Za co(w++ g)

2, \$ 82 X(+1 = a 12+2co (g2-52) cos (w+ 5)

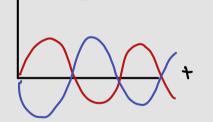
$$X(1) = 5c \cos \left(\frac{5}{m^4 - m^5} + \right) \cos \left(\frac{5}{m^4 + m^5} + \right)$$

Keine harmon. Solvingung

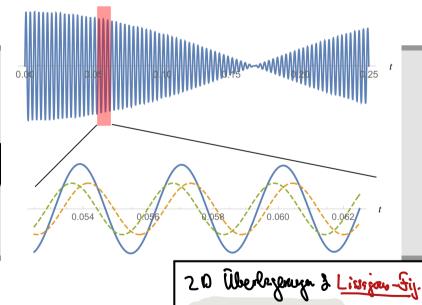
Wen wixwi: Solvebuy

Amplitude 2 cos (www.t)

Approx. herma. Schrifty mid W = WA+NL



Sampling were Ekn/m «Wo



DSe. geloppelles Pendel:

$$\frac{1}{x_1} + \frac{1}{x_2} + \frac{1}{x_1} + \frac{1}{x_2} = 0$$

Losar durch Salstitution:

$$\xi_{+} = x_{1} + x_{2}$$
 $\xi_{-} = x_{1} - x_{2} = x_{1} + x_{2}$ $\xi_{+} = A_{1} \cos(\omega_{1} + x_{2})$ mit $\omega_{1} = \omega_{0}$

$$\xi_{+} = x_{1} + x_{2} \qquad \xi_{-} = x_{1} - x_{2} = x_{2} \qquad \xi_{-} = A_{1} \cos(\omega_{2} + x_{2})$$
 mit $\omega_{1} = \omega_{0}$

$$\xi_{-} = x_{1} + x_{2} \qquad \xi_{-} = x_{1} - x_{2} \qquad \xi_{-} = x_{1} + x_$$

~ x 4 91 = 3 (3++3-) = 4 co (\(\frac{5}{m^4-m^5} + \frac{5}{8^4-3^5} \) co (\(\frac{5}{m^4+m^5} + \frac{2}{8^4+3^5} \)

Kieio (3= 3)

x(+) = x0 cos(w++) برداء به ده (دود برد)

w₁ ∈ Q gordlosser