

Damped Oscillator

$$y = A_o e^{-bx} \sin(\omega x + \delta) + C$$

$$\chi^2_{\text{reduced}} = \mathbf{0.33}$$

 δx  δy 

Parameter	Value	Uncertainty
A_o	4.952e-02	5.833e-05
b	2.081e-02	4.363e-05
ω	2.748e+00	4.384e-05
δ	-1.754e+00	1.189e-03
C	4.826e-02	1.485e-05

Underdamped Oscillator - 4. 1x4