

Qudratic Fitting

Polynomial co-efficients

[3.9624762067862687, -1.8624376485106624, 11.96633392739912]

$a = 3.96 \pm 0.04$
 $b = -1.9 \pm 0.2$
 $c = 12 \pm 2$

$c = 12 \pm 2$
 $b = -1.9 \pm 0.2$
 $a = 3.96 \pm 0.04$

Curve-fit

400.0

300.0

200.0

100.0

0.0

-10.0

-5.0

0.0

5.0

10.0

X

Y

Polyfit

curve-fit

lmfit