

# Quadratic Fitting

Polynomial co-efficients

[3.993032887686618, -1.815545839728193, 11.46855571084195]

$a = 3.99 \pm 0.04$   
 $b = -1.8 \pm 0.2$   
 $c = 11 \pm 2$

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 $b = -1.8 \pm 0.2$   
 $a = 3.99 \pm 0.04$

Curve-fit

0.4k

0.3k

0.2k

0.1k

0.0

-10.0

-5.0

0.0

5.0

10.0

X

Y

Polyfit

curve-fit

lmfit

