

LineFitGUI - 2

1. Load data

Data Input: Load ... Data from file

Exclude/Include Points

Display Built-in Models

Setup Curve Model:

Select Model: 9: Pseudo-Voigt (TCH)

2. Choose model

Customization

No. of Curves: Add 1 ... 7

Reduce 1

Sort ascend 2

Find Peaks: Auto Manual

Apply to Params # [1,2]

Setup Background Model:

Select Model: 2: Linear

4. Manual find peaks and apply to start parameters

Customization

Optimization (lsqcurvefit) Settings:

Display: iter-detailed

Algorithm: trust-region-reflective

ToIFun: 1e-09

ToIX: 1e-09

MaxFunEvals: 10000

MaxIter: 10000

Other Settings:

Force Non-negative Background: Yes

Plot and Fit in log scale: Yes

3. Fit in log scale

Close Close Figures Help

Fit flag and Accept flag

	F	A	Start	Fitted	LB	UB	StdErr
P(1,1)	✓	✓	4.6501e+04	1.7046e+04	0	Inf	
P(2,1)	✓	✓	1.5400	1.5394	-Inf	Inf	
P(3,1)	✓	✓	0.0100	0.0069	0	Inf	
P(4,1)	✓	✓	0.0100	0.0090	0	Inf	
P(1,2)	✓	✓	1.1723e+03	520.0533	0	Inf	
P(2,2)	✓	✓	1.7071	1.7032	-Inf	Inf	
P(3,2)	✓	✓	0.0100	0.0142	0	Inf	
P(4,2)	✓	✓	0.0100	0.0078	0	Inf	
P(1,3)	✓	✓	244.7869	105.2370	0	Inf	
P(2,3)	✓	✓	2.1449	2.1336	-Inf	Inf	
P(3,3)	✓	✓	0.0100	0.0129	0	Inf	
P(4,3)	✓	✓	0.0100	0.0084	0	Inf	
P(1,4)	✓	✓	1.3877e+03	1.4094e+03	0	Inf	
P(2,4)	✓	✓	2.5481	2.5670	-Inf	Inf	
P(3,4)	✓	✓	0.0100	0.0102	0	Inf	
P(4,4)	✓	✓	0.0100	0.0125	0	Inf	
P(1,5)	✓	✓	318.4756	164.9856	0	Inf	
P(2,5)	✓	✓	2.7151	2.7041	-Inf	Inf	
P(3,5)	✓	✓	0.0100	0.0078	0	Inf	
P(4,5)	✓	✓	0.0100	0.0168	0	Inf	
P(1,6)	✓	✓	282.9823	149.8420	0	Inf	
P(2,6)	✓	✓	2.8649	2.8577	-Inf	Inf	
P(3,6)	✓	✓	0.0100	0.0089	0	Inf	
P(4,6)	✓	✓	0.0100	0.0194	0	Inf	
P(1,7)	✓	✓	591.9266	324.6920	0	Inf	

Group-set Params: P(1,1:7) 0 Set

Plot Preview Start Fit Plot Fit Show Fit Output

Toggle Fit All

Properties: Anal... 10,1000 Get Properties

Evaluate: XData To Worksheet To File

Reset Duplicate Save To WS... Save To File...

7. Plot result

8. Accept fit and update start values

6. Start fit

