Fitting Fermi Diads

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:caption: Ex1a: WITEC Spectra: Fitting Diads from a CO2 gas cell

Examples/Fitting\_Fermi\_Diads/Example1a\_Gas\_Cell\_Calibration/Step1\_Fit\_Your\_Ne\_Lines

Examples/Fitting\_Fermi\_Diads/Example1a\_Gas\_Cell\_Calibration/Step2\_Filtering\_Numerical

Examples/Fitting\_Fermi\_Diads/Example1a\_Gas\_Cell\_Calibration/Step3\_FitAll\_Together

Examples/Fitting\_Fermi\_Diads/Example1a\_Gas\_Cell\_Calibration/Step4\_Stitch\_Outputs\_Together

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:caption: Ex1b: WITEC Spectra: Fitting Diads from natural FI with secondary phases

Examples/Fitting\_Fermi\_Diads/Example1b\_CO2\_Fluid\_Inclusions/Step1\_Fit\_Your\_Ne\_Lines

Examples/Fitting\_Fermi\_Diads/Example1b\_CO2\_Fluid\_Inclusions/Step2\_Filtering\_Numerical

Examples/Fitting\_Fermi\_Diads/Example1b\_CO2\_Fluid\_Inclusions/Step3\_FitAll\_Together

Examples/Fitting\_Fermi\_Diads/Example1b\_CO2\_Fluid\_Inclusions/Step3b(optional)\_Secondary\_Peaks

Examples/Fitting\_Fermi\_Diads/Example1b\_CO2\_Fluid\_Inclusions/Step4\_Stitch\_Outputs\_Together

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:caption: Ex1bb: Filtering out spectra with high backgrounds

Examples/Fitting\_Fermi\_Diads/Example1bb\_highbackground\_FIs/

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:caption: Ex1c: Fitting weak Diads from MI VB - no clear metadata

Examples/Fitting\_Fermi\_Diads/Example1c\_HORIBA\_Calibration/Step1\_Fit\_Your\_Ne\_Lines

Examples/Fitting\_Fermi\_Diads/Example1c\_HORIBA\_Calibration/Step2\_Filtering\_Numerical

Examples/Fitting\_Fermi\_Diads/Example1c\_HORIBA\_Calibration/Step3\_FitAll\_Together

Examples/Fitting\_Fermi\_Diads/Example1c\_HORIBA\_Calibration/Step4\_Stitch\_Outputs\_Together

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:caption: Ex1d: HORIBA instrument

Examples/Fitting\_Fermi\_Diads/Example1d\_HORIBA\_VT/Step1\_Fit\_Your\_Ne\_Lines

Examples/Fitting\_Fermi\_Diads/Example1d\_HORIBA\_VT/Step2\_Filtering\_Numerical

Examples/Fitting\_Fermi\_Diads/Example1d\_HORIBA\_VT/Step3\_FitAll\_Together

Examples/Fitting\_Fermi\_Diads/Example1d\_HORIBA\_VT/Step4\_Stitch\_Outputs\_Together

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:caption: Ex1e: Quick Peak Fitting (while Ramaning)

Examples/Fitting\_Fermi\_Diads\Example1e\_Quick\_Peak\_Fitting\_While\_Ramaning/Quick\_Peak\_fitting

Water in silicate melts and melt inclusions

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:caption: Fitting water peaks

Examples\Fitting\_Water\_Silicate\_Melts/Example4a\_H2OQuant\_Glass/H2O\_Fitting

Examples\Fitting\_Water\_Silicate\_Melts/Example4b\_H2OQuant\_MI/H2O\_Fitting\_MI\_AutoLoop

Examples\Fitting\_Water\_Silicate\_Melts/Example4b\_H2OQuant\_MI/H2O\_Fitting\_MI\_ManualLoop

EOS calculations

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:caption: EOS calcs2

Examples/EOS\_calculations/Example5a\_Introducing\_EOS\_Calcs

Examples/EOS\_calculations/Example5b\_Visualizing\_EOSs\_Density\_Pressure

Examples/EOS\_calculations/Example5c\_LaPalma\_FluidInclusions

Examples/EOS\_calculations/Example5d\_Fluid\_Inclusion\_Density\_to\_Depth

Examples/EOS\_calculations/Example5e\_FI\_Monte\_Carlo\_Simulations

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Modelling FI re-equilibration

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:caption: EOS calcs2

Examples/Modelling\_Fluid\_Inclusion\_Re-equilibration/Example9a\_FI\_stretching\_during\_ascent

Examples/Modelling\_Fluid\_Inclusion\_Re-equilibration/Example9b\_FI\_stretching\_slow\_quenching\_at\_surface

Examples/Modelling\_Fluid\_Inclusion\_Re-equilibration/Example9c\_FI\_stretching\_during\_stalling

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