NMR-ESPY

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Example result file.

Experiment Information

Parameter	F1	F2
Nucleus	N/A	^{1}H
Transmitter Frequency (MHz)	N/A	400
Sweep Width (Hz)	50	5000
Sweep Width (ppm)	N/A	12.5
Transmitter Offset (Hz)	0	2000
Transmitter Offset (ppm)	N/A	5

Estimation Result

Osc.	a	ϕ (°)	f_1 (Hz)	f_2 (Hz)	f_2 (ppm)	η_1 (s^{-1})	η_2 (s^{-1})	$\int$
1	0.992 15 $\pm 9.9215 \times 10^{-3}$	0.538 66 $\pm 5.3866 \times 10^{-3}$	20.007 $\pm 0.200\,07$	3.02×10^{3} ± 30.2	7.55 $\pm 7.55 \times 10^{-2}$	5.0039 $\pm 5.0039 \times 10^{-2}$	5.0024 $\pm 5.0024 \times 10^{-2}$	1
2	3.0048 $\pm 3.0048 \times 10^{-2}$	−0.5152 $\pm -5.152 \times 10^{-3}$	10 ± 0.1	3.01×10^{3} ± 30.1	7.525 $\pm 7.525 \times 10^{-2}$	5.0001 $\pm 5.0001 \times 10^{-2}$	4.999 $\pm 4.999 \times 10^{-2}$	3.0592
3	6.0006 $\pm 6.0006 \times 10^{-2}$	0.134 32 $\pm 1.3432 \times 10^{-3}$	9.529×10^{-3} $\pm 9.529 \times 10^{-5}$	3×10^{3} ± 30	7.5 $\pm 7.5 \times 10^{-2}$	4.9978 $\pm 4.9978 \times 10^{-2}$	4.9984 $\pm 4.9984 \times 10^{-2}$	6.015
4	2.9991 $\pm 2.9991 \times 10^{-2}$	−0.266 66 $\pm -2.6666 \times 10^{-3}$	−10.007 $\pm -0.100\,07$	2.99×10^{3} ± 29.9	7.475 $\pm 7.475 \times 10^{-2}$	4.9987 $\pm 4.9987 \times 10^{-2}$	5.0059 $\pm 5.0059 \times 10^{-2}$	2.9756

5	0.992 53 $\pm 9.9253 \times 10^{-3}$	0.182 98 $\pm 1.8298 \times 10^{-3}$	−20.009 ±−0.200 09	2.98×10^{3} ±29.8	7.45 $\pm 7.45 \times 10^{-2}$	4.9938 $\pm 4.9938 \times 10^{-2}$	4.9912 $\pm 4.9912 \times 10^{-2}$	0.985 29

Estimation performed using NMR-EsPy.
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For more information:


https://foroozandehgroup.github.io/NMR-EsPy


https://github.com/foroozandehgroup/NMR-EsPy


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If used in a publication, please cite:

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