

Residual Sensitivities

tao.ye@stonybrook.edu

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1 Lagrange

1.1 Redundant Coils

Note: Choice of dithering coils is run dependent, therefore more than two types of coil are shown in the following table.

	Mean(ppm/count)	Width (ppm/count)	Fraction Mean	Fractional Width
usl vs coil 1	-0.3	1.58	5.2e-03	0.03
usl vs coil 2	0.04	0.28	-7.3e-03	0.05
usl vs coil 5	-0.5	1.16	-0.01	0.03
usl vs coil 6	0.2	0.33	0.06	0.16
usr vs coil 1	0.2	1.33	2.9e-03	0.02
usr vs coil 2	7.3e-04	0.28	-3.0e-04	0.04
usr vs coil 5	0.1	1.03	-2.3e-03	0.02
usr vs coil 6	-0.01	0.18	-0.07	0.15
us avg vs coil 1	-0.06	1.39	3.6e-03	0.38
us avg vs coil 2	0.02	0.25	-3.4e-03	0.04
us avg vs coil 5	-0.2	1.02	0.1	0.33
us avg vs coil 6	0.08	0.22	0.03	0.09
us dd vs coil 1	-0.3	0.45	4.7e-03	0.01
us dd vs coil 2	0.02	0.12	0.05	0.26
us dd vs coil 5	-0.3	0.43	-5.5e-03	0.01
us dd vs coil 6	0.09	0.15	0.2	0.36

1.2 Dithering Coils

	Mean(ppm/count)	Width (ppm/count)	Fraction Mean	Fractional Width
usl vs coil 1	-2.5e-03	0.91	-4.8e-04	0.02
usl vs coil 2	7.2e-04	0.29	-2.1e-03	0.04
usl vs coil 3	-3.9e-04	0.33	-5.9e-04	0.03
usl vs coil 4	-1.5e-03	0.22	-1.4e-04	0.04
usl vs coil 5	-1.4e-03	2.05	-1.0e-03	0.03
usl vs coil 6	1.3e-03	0.36	-1.8e-03	0.05
usl vs coil 7	2.9e-03	0.82	-1.3e-04	0.02
usr vs coil 1	-2.8e-03	0.76	-3.2e-04	0.02
usr vs coil 2	-3.0e-04	0.11	-2.0e-04	0.01
usr vs coil 3	-5.1e-04	0.27	-3.6e-04	0.02
usr vs coil 4	-8.4e-04	0.22	-9.5e-04	0.04
usr vs coil 5	-4.1e-04	1.63	-5.3e-04	0.02
usr vs coil 6	1.1e-03	0.31	-9.2e-04	0.05
usr vs coil 7	2.9e-03	0.66	-2.9e-04	0.02
us avg vs coil 1	-4.9e-03	0.77	0.04	0.34
us avg vs coil 2	2.1e-04	0.19	-6.0e-04	0.02
us avg vs coil 3	-9.7e-04	0.28	0.1	0.38
us avg vs coil 4	-1.2e-03	0.20	3.7e-04	0.05
us avg vs coil 5	-9.2e-04	1.76	0.07	0.36
us avg vs coil 6	9.2e-04	0.30	-6.9e-04	0.05
us avg vs coil 7	3.2e-03	0.70	-1.2e-04	0.02
us dd vs coil 1	-2.0e-03	0.35	-3.0e-05	0.01
us dd vs coil 2	5.1e-04	0.11	-0.02	0.09
us dd vs coil 3	-4.5e-04	0.13	-7.0e-05	0.01
us dd vs coil 4	-3.3e-04	0.10	-4.0e-03	0.19
us dd vs coil 5	-5.1e-04	0.57	-7.5e-05	0.01
us dd vs coil 6	-2.3e-04	0.17	0.04	0.35
us dd vs coil 7	2.1e-04	0.27	1.3e-03	0.04

2 Regression

2.1 Redundant Coils

	Mean(ppm/count)	Width (ppm/count)	Fraction Mean	Fractional Width
usl vs coil 1	0.7	1.48	-0.01	0.03
usl vs coil 2	-1	2.44	0.1	0.26
usl vs coil 5	0.1	1.64	9.8e-03	0.04
usl vs coil 6	3	0.62	0.6	0.17
usr vs coil 1	0.7	1.15	0.01	0.02
usr vs coil 2	-2	2.41	0.2	0.20
usr vs coil 5	-0.1	1.15	3.2e-03	0.02
usr vs coil 6	3	0.43	0.8	0.00
us avg vs coil 1	0.7	1.25	0.3	0.32
us avg vs coil 2	-1	2.36	0.1	0.21
us avg vs coil 5	-0.07	0.94	0.1	0.34
us avg vs coil 6	3	0.49	0.8	0.11
us dd vs coil 1	0.04	0.45	-3.5e-04	0.01
us dd vs coil 2	0.2	0.74	0.2	0.42
us dd vs coil 5	0.05	0.96	4.0e-03	0.02
us dd vs coil 6	-0.3	0.21	0.08	0.47

2.2 Dithering Coils

	Mean(ppm/count)	Width (ppm/count)	Fraction Mean	Fractional Width
usl vs coil 1	-0.5	1.39	0.02	0.04
usl vs coil 2	-4	0.90	0.5	0.12
usl vs coil 3	-0.02	0.54	0.01	0.05
usl vs coil 4	-0.9	1.60	0.1	0.18
usl vs coil 5	-1	1.97	-0.02	0.03
usl vs coil 6	1	2.66	0.1	0.23
usl vs coil 7	0.3	1.02	7.8e-03	0.02
usr vs coil 1	0.2	1.04	5.4e-03	0.02
usr vs coil 2	-5	0.88	0.6	0.10
usr vs coil 3	8.5e-03	0.47	-1.3e-03	0.04
usr vs coil 4	-1	1.70	0.2	0.21
usr vs coil 5	-0.3	1.60	4.3e-03	0.02
usr vs coil 6	2	2.63	0.2	0.22
usr vs coil 7	0.4	0.82	0.01	0.03
us avg vs coil 1	-0.07	0.88	0.04	0.38
us avg vs coil 2	-5	0.46	0.6	0.07
us avg vs coil 3	0.01	0.41	0.1	0.41
us avg vs coil 4	-1	1.61	0.1	0.18
us avg vs coil 5	-0.7	1.70	0.3	0.35
us avg vs coil 6	2	2.57	0.1	0.20
us avg vs coil 7	0.4	0.84	8.5e-03	0.02
us dd vs coil 1	-0.3	0.78	9.2e-03	0.02
us dd vs coil 2	0.9	0.76	0.5	0.43
us dd vs coil 3	7.7e-03	0.27	2.0e-03	0.02
us dd vs coil 4	0.07	0.50	-1.8e-03	0.35
us dd vs coil 5	-0.4	0.57	-5.4e-03	0.01
us dd vs coil 6	-0.2	0.82	0.04	0.45
us dd vs coil 7	-0.03	0.39	-4.2e-03	0.06