

## Reproduction of results for Example 3

Table 3: Skeleton ANOVA of designs for Example 3

Source	D*	MSSD	MSSDP	MSSCP
Treat.Ovens	5	8	5	6
Model.Ovens	5	5	5	5
lof.Ovens	0	3	0	1
lof.Oven.Runs	1	1	0	0
PE.oven	3	0	4	3
PE.batch	2	2	2	2
lof.Oven.Batch.Runs	18	16	11	11
PE.oven.batch	0	2	7	7
Treat.Runs	30	30	18	22
Model.Runs	15	15	15	15
lof.Runs	15	15	3	7
PE.Residuals	0	0	12	8

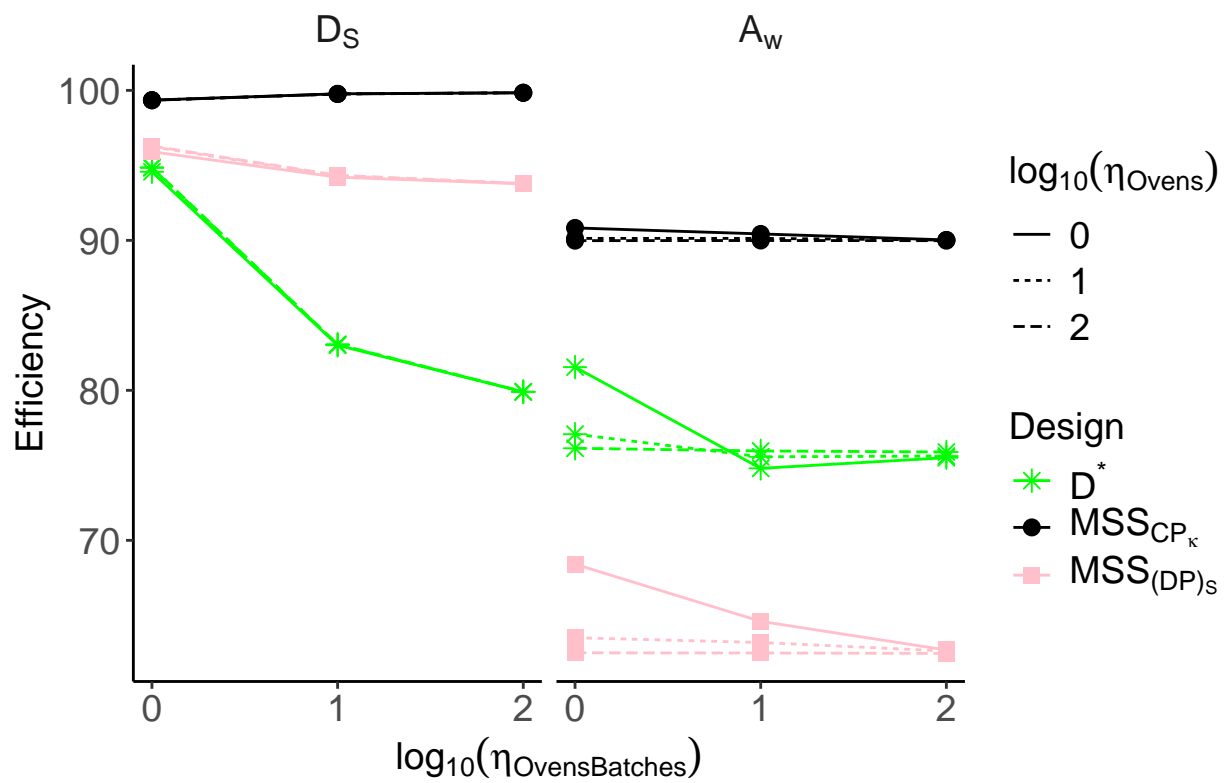


Figure 6:  $D_S$  and  $A_W$  efficiencies, relative to the MSSD design, as function of variance component ratios for designs for Example3.

Table 4: (Supp Table F) DS- and Aw-efficiencies, relative to the best fixed-effects D design obtained, given vc ratios, for designs for Example 3.

eta1	eta2	eta3	Ds			Aw		
			D*	MSSDP	MSSCP	D*	MSSDP	MSSCP
1	1	1	94.57	95.91	99.35	81.55	68.41	90.83
1	1	10	83.01	94.21	99.77	74.80	64.60	90.43
1	1	100	79.90	93.77	99.84	75.51	62.69	90.03
1	10	1	94.55	95.91	99.33	81.54	68.41	90.83
1	10	10	83.00	94.21	99.76	74.80	64.60	90.43
1	10	100	79.90	93.77	99.84	75.51	62.69	90.03
1	100	1	94.55	95.91	99.33	81.54	68.41	90.83
1	100	10	82.99	94.21	99.76	74.80	64.60	90.43
1	100	100	79.90	93.77	99.84	75.51	62.69	90.03
10	1	1	94.83	96.24	99.34	77.08	63.51	90.13
10	1	10	83.05	94.30	99.76	75.57	63.19	90.13
10	1	100	79.90	93.78	99.84	75.62	62.62	90.02
10	10	1	94.82	96.23	99.33	77.08	63.51	90.13
10	10	10	83.04	94.30	99.76	75.57	63.19	90.13
10	10	100	79.90	93.78	99.84	75.62	62.62	90.02
10	100	1	94.82	96.23	99.32	77.08	63.51	90.13
10	100	10	83.04	94.30	99.76	75.57	63.19	90.13
10	100	100	79.90	93.78	99.84	75.62	62.62	90.02
100	1	1	94.87	96.29	99.34	76.14	62.50	89.98
100	1	10	83.07	94.34	99.76	75.96	62.49	89.99
100	1	100	79.91	93.79	99.84	75.89	62.46	89.98
100	10	1	94.86	96.28	99.33	76.14	62.50	89.98
100	10	10	83.06	94.34	99.76	75.96	62.49	89.99
100	10	100	79.91	93.79	99.84	75.89	62.46	89.98
100	100	1	94.86	96.28	99.32	76.14	62.50	89.98
100	100	10	83.06	94.34	99.75	75.96	62.49	89.99
100	100	100	79.90	93.79	99.84	75.89	62.46	89.98