

Appendix B

Table B1 displays the best-fitting parameters for the non-constrained conjunction search model. This model applied no constraint of the mean identification time per display item. The mean item identification times displayed in the right-most column seem too low to be psychologically plausible. Thus, in the full- and half-set-size variants, reported in the body of the paper, we constrained the mean identification time to a minimal value of 50 ms.

Table B1: Best-fitting parameters for the conjunction search task (half-set-size variant)

Subject	w_{target}	δ	θ	Δw_{quit}	$T_{\text{min}}^{\text{yes}}$	$T_{\text{min}}^{\text{no}}$	Γ	m	θ/δ
1	0.62	0.31	0.00	0.00	0.37	0.41	9.06	0.01	0.009
2	1.05	0.36	0.00	0.01	0.42	0.40	13.49	0.00	0.014
3	1.59	0.14	0.01	0.00	0.41	0.41	8.69	0.00	0.044
4	1.37	0.48	0.00	0.02	0.28	0.31	25.53	0.04	0.009
5	1.07	0.23	0.00	0.01	0.34	0.39	12.60	0.04	0.017
6	1.42	0.19	0.01	0.02	0.32	0.37	15.02	0.02	0.048
7	1.04	0.32	0.01	0.00	0.43	0.46	11.30	0.00	0.019
8	1.23	0.19	0.01	0.01	0.37	0.46	10.26	0.02	0.030
9	0.16	0.32	0.00	0.00	0.37	0.41	10.22	0.01	0.012
10	2.33	0.22	0.01	0.00	0.39	0.39	13.95	0.00	0.046
100	1.37	0.24	0.01	0.01	0.37	0.40	12.33	0.01	0.026
Mean	1.19	0.27	0.01	0.01	0.37	0.40	13.01	0.01	0.025