

Psychophysical and Physiological Optics

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A (...)
 (E)
 6 7 ()
).¹
 2 8 , 24 26
 , 9 11
 3,12,13 (F . 2 4 . D
).
 14 16
 17,18 ?

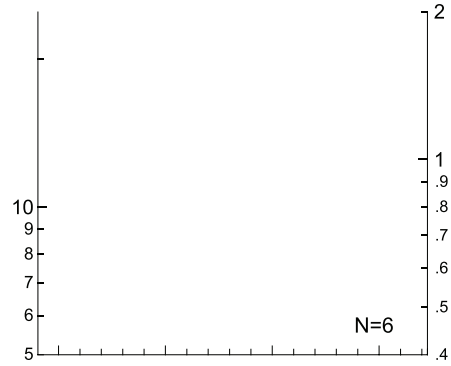
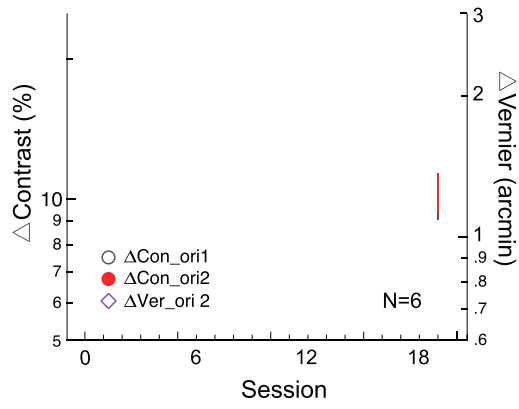


(F . 1). $0^\circ \quad 180^\circ$ $(\quad 17^\circ$
 $(\quad 2.4 \quad)$
 , D = 0.7 $(\quad 2.7$
 $(\quad 8.2 \quad , D = 1.8 \quad)$ 1.6
 0.9
 $(\quad 36^\circ \quad 126^\circ \quad)$
 (\quad) $(F . 4).$
 80% 2
 (F . 2). $V \quad F \quad t \quad o \quad A \quad . \quad t$
 (\quad) $V \quad A \quad t \quad . \quad -E$
 (80%), (\quad) $E ($
 (180°) $. C \quad -E$
 E
 E
 $E \quad -E$ $-E$
 $\pm 50 \quad (\pm 2 \quad)$ $E \quad . B$
 $-E$ E

a



b



0.29° × 0.29° ±45°

4

C

σ 0.9°, ±45°

1/16, 1/8, 1/4, 1/2, 3/4,

1

200-

400

A

D

J

30 / 2)

A)

po d

RESULTS

The TPE of the ALOSLF

(2.4 ± 0.7 ; $F = 5$),

19 (N = 6)

($F = 2$).

($\Delta C = 1$, $F = 2$),

$16.1 \pm 1.8\%$ $10.7 \pm$

$32.5 \pm 3.2\%$ ($P < 0.001$),

21.5% 44.7% .

90° ($\Delta C = 2$, $F = 1.5 \pm$

5.9% , $P = 0.41$;

19.1% 18.1%),

$F =$

$E =$

($\Delta C = 2$, $F = 33.6 \pm 5.4\%$, $P < 0.001$;

53.1%). A

$14.9 \pm 1.4\%$ $10.4 \pm 0.9\%$

($\Delta C = 2$, $F = 29.3 \pm 3.8\%$, $P < 0.001$;

44.9% ;

$\pm 4.5\%$ ($F = 15.0$ 47.4%),

($P = 0.50$, $t =$

0.04 ± 0.18 .

0.20 , 0.39),

0.94 ± 1 ($P =$

sd D

(N = 6)

F = 1

$11.5 \pm 1.0\%$ $8.1 \pm 0.9\%$ ($\Delta C = 1$, $F = 29.0 \pm 2.7\%$, $P < 0.001$;

18.9% 38.2% ; $F = 2$).

($\Delta C = 2$, $F = 11.3 \pm 0.7\%$ $10.3 \pm 0.5\%$ $8.5 \pm 3.0\%$, $P = 0.018$;

20.1% , 0.31 ± 0.09).

19

($\Delta C = 2$, $F = 26.7 \pm 4.9\%$, $P = 0.001$;

42.5% ;

$8.9 \pm 1.0\%$ ($\Delta C = 2$, $F = 14.9 \pm 5.6\%$, $P = 0.023$;

32.9%).

$22.7 \pm 3.8\%$ ($F = 7.3\%$ 35.2%),

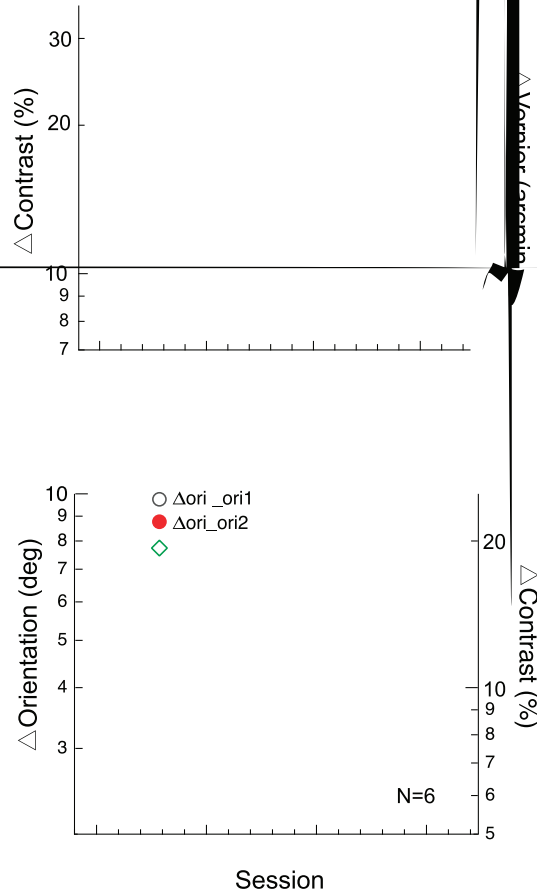
($P = 0.11$, $t =$

0.81 ± 0.15 ,
0.12).

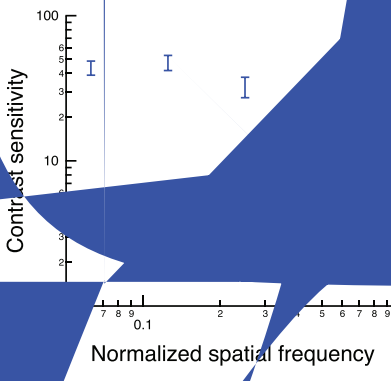
1 (P

(N = 7) E - E (E), A
E.
0.001; (Δ = 2, $40.4 \pm 4.7\%$, $P <$
, 24.3% 55.0%; F = 3),
13.7 \pm 1.3% 12.6 \pm 1.0%
(Δ C = 2, $6.7 \pm 3.3\%$, $P = 0.044$;

b



29.5%). $18.0 \pm 4.1\%$, 0.1% (Δ 2, $5.5^\circ \pm 0.8^\circ$)
 35.5% , $4.3^\circ \pm 0.3^\circ$, $24.7 \pm 5.3\%$, $P = 0.003$; 10.6%
 $\Delta C = 1$ (P 0.13, $\Delta C = 2$ E 47.9%). $30.6 \pm 6.9\%$, 11.6%
 0.73 ± 0.19 , 1 (P 52.7%, 0.76 ± 0.13 . A
 0.11), E (P 0.18, $\Delta = 1$ $\Delta = 2$)
 F E
 (F . 4)
 $3.8^\circ \pm 0.6^\circ$ ($\Delta = 1$, $38.8 \pm 4.9\%$, $P = 0.001$; $6.2^\circ \pm 1.1^\circ$,
 28.6% 58.3% ; F . 4).
 8.9% ($\Delta = 2$, $8.3 \pm 5.1\%$, $P = 0.44$);
 6.3% , $P = 0.038$; 10.6% 31.1% $14.2 \pm$
 $28,29$ (F . 5).
 15.3 ± 1.0



16.2 ± 1.9 (n = 15), P < 0.001; F = 6.2

15.1 ± 3.2%, P = 0.6, E = 19.5 ± 2.6 (15)

± 2.8%, P < 0.001, 10.7 ± 5.6 ± 2.6

± 2.9%, P < 0.001, ± 3.8% (n = 13), 52.8%)

± 1.5% (69.4%), (F = 6.2, P = 0.021)

(P = 0.62, t = 1.6)

± 0.2, E = 3.4 ± 0.0% (0.4)

(F_{1,18} = 6.37, P = 0.021)

(F_{1,18} = 3.56, P = 0.075)

(r = 0.33, P = 0.19)

(P = 0.09, r = 0.69, P = 0.001)

(n = 8)

35.4% (n = 11)

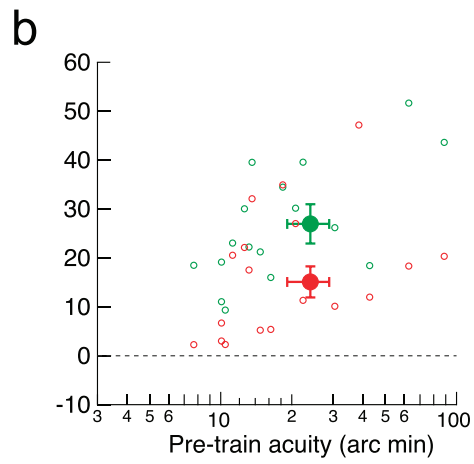
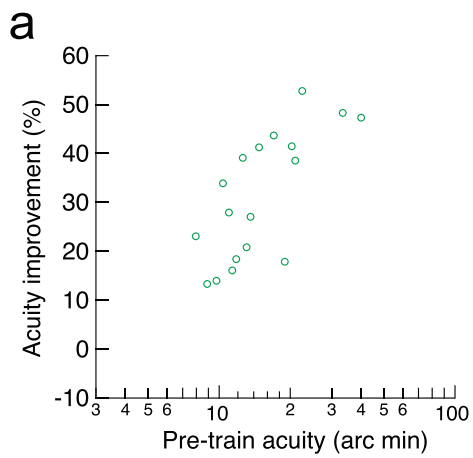
415.3 ± 44.1

(n = 11), ± 5.2%, P < 0.001

190.0

5, 9.54, P = 0.001

At . A (30 45)



c

d

± 30.7 ($22.8\% \pm 5.8\%$, $P < 0.001$)
 E.
 $53.4\% \pm 5.1\%$, 20.0% 92.5% ($F = 6$,
 6). $F = 6$,
 (500),
 600 . A
 12 / 7 -
 $(40.5 \pm$
 8.3% . $36.9 \pm 2.3\%$, $P = 0.75$). B
 $(32.0 \pm 7.1\%$. $7.1 \pm 7.1\%$, P /
 0.034 , - t).
 $(r = 0.085$, $P = 0.73)$,
 $(r = 0.32$, $P = 0.35$, n
 $11)$
 $(r = 0.38$, $P = 0.11)$,
 $(r = 0.59$, $P = 0.056$, $n = 11)$.

DISCUSSION

E. , E
 E E
 23 ,
 $2,3$,
 $19,20$
 E
 E ,

D ; J. ; L.-J. CO ; S.A. K ; D.M. L ; C.

R nc

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S MMAR

Ac n t g if

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 01E 04776 (A) 01E 01728
 01E 020976 (D)

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