Pe cen & PHc + HcH 2008, 70 (7), 1314-1324 d : 10.3758/PP/70.7.1314

Detection of collision events on curved trajectories: Optical information from invariant rate-of-bearing change

RUI NI AND GEORGE J. ANDERSEN $U e \stackrel{H}{=} Ca a, R e \stackrel{H}{=} Hde, Ca$

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EXPERIMENT 1 Linear and Circular Trajectories

1,

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· **,** d'

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d' $(\cdot <$.05) 2.0 3.25 . , . Bias. β 4 () × 2 () F(3,21) = 0.F(1,) = 0. 2) . $(\bullet > .07).$ $F(3,21) = 2.1, \bullet > .0\%$.

d'

 $(1 \quad 0).$

)

EXPERIMENT 2

1, , ,

Bias. β 4 () × () F(3,21) = 4.(• < .05). β

· · · · -- · · · · ·



$$, =, + \cdot (\omega \cdot + 0)$$
 (1)

$$, =, + \cdot (\omega \cdot + 0).$$
 (2)

$$\delta = -1 \left(\underbrace{-}_{\bullet} \right). \tag{3}$$

$$\dot{\delta} = \frac{d}{d}\delta = \frac{d}{d}\begin{bmatrix} & -\left(\begin{array}{c} \\ \end{array} \right) \end{bmatrix} = \frac{d}{d} \left(\begin{array}{c} \\ \end{array} \right),$$

- -

APPENDIX (