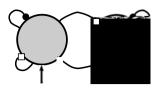
## **Effects of Time-Dependent Stimuli in a Competitive Neural Network Model of Perceptual Rivalry**

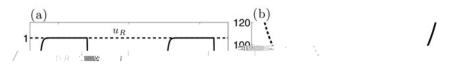
Suren Jayasuriya · Zachary P. Kilpatrick



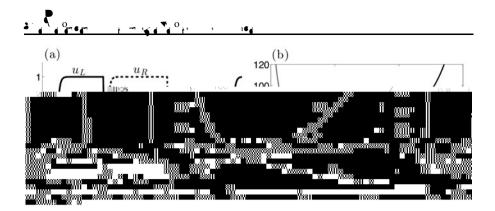
۱۳۵<sup>2</sup> tt<sup>2</sup><sup>4</sup><sup>4</sup>.<sup>4</sup> • đ en 6 l' l' 6 0 (<sup>2</sup> | ™dd d <sup>22</sup> 64 d€1 mm<sup>™</sup>d ♥ \_ \_ \_ \_ \_ 0 \_ 0 \_ \_ ' • d 1 - - UII 99 m€m♥ m 1€1\_f ™, ²-² t <sup>12</sup> . ۱۰ ۴۰۰ tt tt<sup>2</sup>,<del>3</del>, ♥₩ (- () e <sup>™</sup>fe <sup>−</sup> **₫** 1 -1 ef · €m f €1 m m ¶ t Γf 0 ‴f 🚺 1----1 d d 1 t I 17 d<sup>m</sup> · <sup>m</sup>f d d<sup>2</sup><sup>√</sup>m<sup>0</sup> 1 €d · tt ٣f 22 ۳f



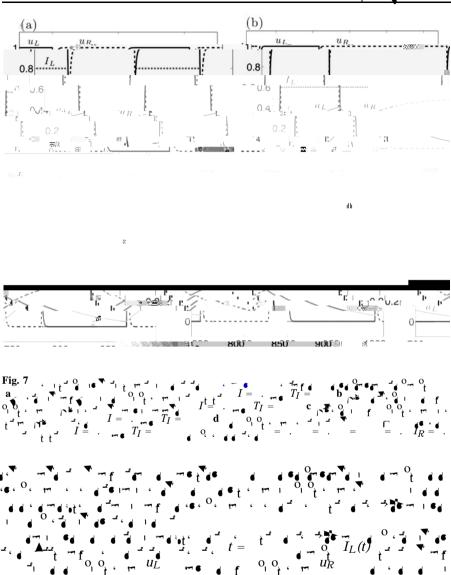
$$I(t) = -\frac{t}{T}$$











+  $I > a_L(t)$  – +  $I_R < a_R(t)$ , t (, T

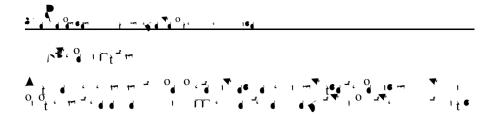
f

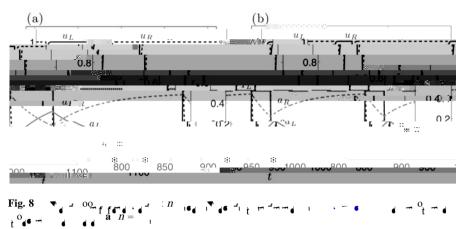
 $u_R$ 

 $u_L$ 

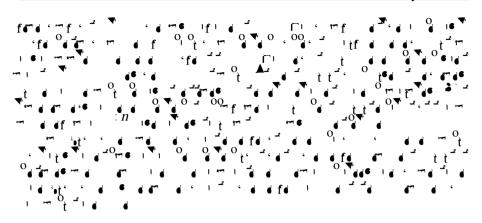
m

 $I_{L}(t) = A + \frac{1}{2} +$ 





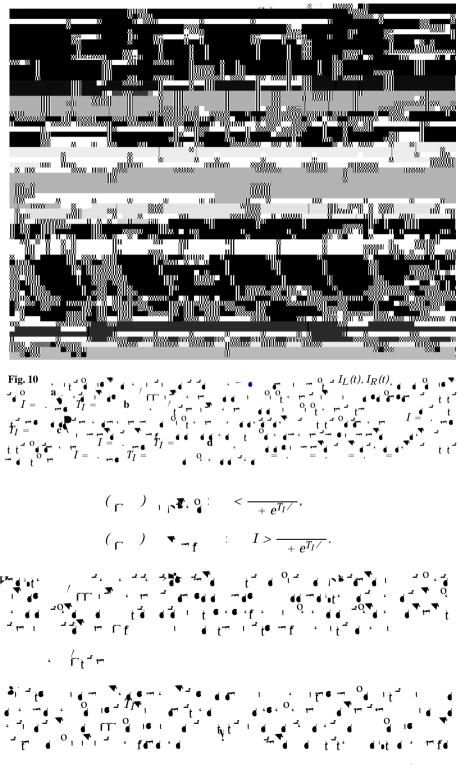
t °. – 4

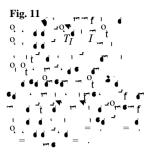


## **5** Time-Variation in Both Inputs

 $a_j() = a_j(T_I) = - e^{T_I/}$   $a_j(T_I) = - e^{-T_I/}$ , j = L, R.  $(\Gamma)$   $I + - > - + e^{-T_{I}/}$  $(\Gamma)$   $\bullet$  f  $\Gamma$  - < -  $+ e^{-T_{I}/}$ ,

2 Springer

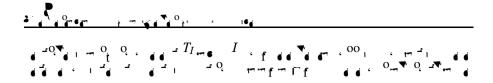


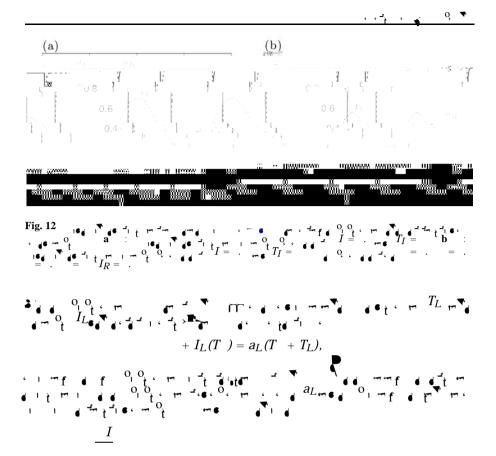


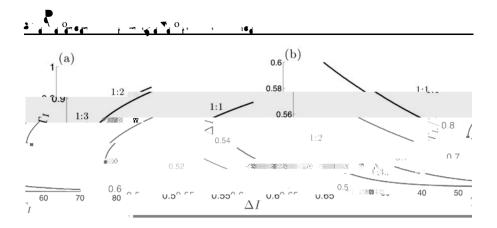


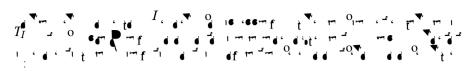
 $I > \frac{e^{-T_{I}/(-e^{-T_{I}/+e^{-T_{I}/}})}}{\frac{+--I}{-+I}+e^{-T_{I}/}},$   $- + I > \frac{\frac{+--I}{-+I}(e^{-T_{I}/-e^{-T_{I}/}}) + e^{-T_{I}/}}{\frac{+--I}{-+I}+e^{-T_{I}/}},$ 

$$\Gamma + I > \frac{(-+I)(+e^{-T_{I}/} - e^{-T_{I}/}) + (e^{-T_{I}/} - e^{-T_{I}/})}{-e^{-T_{I}/} + e^{-T_{I}/}},$$









 $\begin{array}{c} f(1) & (1)$ 



