

# Corrigendum

## A spatially continuous mean field theory of electrocortical activity

Liley D T J, Cadusch P J and Dafilis M P 2002 *Network: Computation in Neural Systems* **13** 67–113

In a previous paper [1] by the authors a number of typographical errors escaped notice before publication. None of these errors affect in any way the published results, but if left uncorrected may confuse readers attempting to reproduce any of the published numerical solutions.

pg 73, *Figure 3*: the ordinate label  $h_e^r$  should be replaced with  $h_e^{\text{rest}}$ .

pg 77, *Equation 16*: The sentence before equation 16 should read “The expected fraction that will not be refractory at some time  $t$  will be”.

pg 77, *Equation 18*:  $S$  should be replaced with  $S_j$ .

pg 78, *Equation 25*: the following definitions should now read  $\tau = \text{diag}(\tau_e, \tau_i)$ ,  $\Gamma = \exp(1)\text{diag}(\Gamma_{ee}, \Gamma_{ei}, \Gamma_{ie}, \Gamma_{ii})$ ,  $N^\beta = \text{diag}(N_{ee}^\beta, N_{ei}^\beta, N_{ie}^\beta, N_{ii}^\beta)$ ,  $\Lambda = \text{diag}(\Lambda_{ee}, \Lambda_{ei}, 0, 0)$ .

pg 81, *Equation 29 & 30*:  $\dots + w_{ii} \dots$  should be replaced with  $\dots - w_{ii} \dots$ .

pg 81, *Equation 30*:  $\dots + w_{ei} \dots$  should be replaced with  $\dots - w_{ei} \dots$ .

pg 91, *Figure 17*: In the caption  $\dots, \tau_e = 0.05$  s; should be replaced with  $\dots, \tau_e = 0.05$  s,  $\Gamma_e = 0.18$  mV,  $\Gamma_i = 0.37$  mV;

pg 106, *Equation 62*:  $k \cdot k^2$  should read  $k \cdot k$ .

pg 107, *Equation 68*:  $N_{ie}^\beta$  should be replaced by  $N_{ii}^\beta$

pg 107, *Equation 70*:  $\dots S_j + p_{ej}$  and  $\dots S_j + p_{ij}$  should be replaced with  $\dots S_e + p_{ej}$  and  $\dots S_i + p_{ij}$  respectively.

pg 107, *last paragraph*:  $S_j^{\text{max}} \geq \sqrt{2}\hat{\sigma}_j Q_j$  should be replaced with  $S_j^{\text{max}} \geq 2\sqrt{2}\hat{\sigma}_j Q_j$ .

pg 107, *Equation 71*:  $h_j^* = \frac{\hat{\sigma}_j}{\sqrt{2}} \dots$  should be replaced with  $h_j^* = -\frac{\hat{\sigma}_j}{\sqrt{2}} \dots$ .

pg 110, *Equation 89*: the denominator term  $\eta_e \gamma_e^2 - \tau_e w_{ee} N_{ee} Q_e$  should read  $\tau_e w_{ee} N_{ee} Q_e - \eta_e \gamma_e^2$ ;  $\dots + w_{ii}$  should be replaced with  $\dots - w_{ii}$ ;  $N_{ii}$  and  $N_{ie}$  should be replaced with  $N_{ii}^\beta$  and  $N_{ie}^\beta$  respectively.

## References

- [1] Liley D T J, P J Cadusch and M P Dafilis 2002 A spatially continuous mean field theory of electrocortical dynamics *Network: Comput. Neural Syst.* **13** 67–113