*Erratum***A Bi-Directional Multilayer Perceptron****M. JEDRA, A. EL OUARDIGHI, A. ESSAID and M. LIMOURI***Laboratoire Conception & Systèmes, Faculté des Sciences, Avenue Ibn Batouta, B.P. 1014, Rabat 10 000, Morocco, E-mail: jedra@fsr.ac.ma**Neural Processing Letters* **10**: 89-95, 1999.

In the above-mentioned article, a paragraph was inadvertently omitted during publication. The paragraph, which appears below, should be placed after the 19th line on page 92. The publisher regrets the error and apologizes for any inconvenience the omission has caused.

The parallel procedure is similar to the last but it differs in the second pass where the weights are not adjusted immediately after propagating the errors backwards. They are adjusted with the sum of two errors obtained after the two components of each pattern pair are presented to the neural network. The parallel algorithm is identical to the serial in some steps. It differs only in four steps: 7, 10, 11 and 12. Step 7 is omitted and steps 10, 11 and 12 are replaced by the following steps:

10. Compute $\delta_j^{Y,1}$ in the output layer.

$$\delta_j^{Y,1} = f'(I_j^{Y,1})(X_j^{(k)} - O_j^{Y,1})$$

11. Compute $\delta_j^{Y,n-1}$

$$\delta_j^{Y,n-1} = f'(I_j^{Y,n-1}) \sum_1 w_{j1}^{n-2} \delta_1^{Y,n-2}$$

for $n = 3, \dots, N$.

12. Update weights using:

$$\Delta w_{ij}^n = \Delta^X w_{ij}^n + \Delta^Y w_{ij}^n = \alpha_X \delta_i^{X,n} O_j^{Y,n-1} + \alpha_Y \delta_j^{Y,n-1} O_i^{Y,n}$$

where α_X and α_Y are the learning rates in both directions.