

Corrections to

“ON MISMATCH ERRORS IN ANALOG-VLSI ERROR CORRECTING DECODERS”

Proceedings IEEE International Symposium on Circuits and Systems, vol. 4, pp. 198-201, Sydney, Australia, May, 2001.

Equation (9) on page 199 is wrong. The correct equation is

$$\hat{p}(y_j) = \frac{\frac{1}{(1+\varepsilon_j)}p(y_j)}{\sum_{\ell=1}^n \frac{1}{(1+\varepsilon_\ell)}p(y_\ell)}.$$

As a direct consequence, equation (11) on page 200 becomes

$$\tilde{p}(y_j) = \frac{\frac{(1+\varepsilon_{i,j})}{(1+\varepsilon_j)}p(y_j)}{\sum_{k=1}^n \frac{(1+\varepsilon_{i,k})}{(1+\varepsilon_k)}p(y_k)}$$

and equation (13) on page 200 becomes

$$\ln \frac{I'_{i,j}}{I_{i,j}} = \ln \frac{\frac{(1+\varepsilon_{i,j})}{(1+\varepsilon_j)}}{\sum_{k=1}^n \frac{(1+\varepsilon_{i,k})}{(1+\varepsilon_k)}p(y_k)}.$$

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