Errata

for

Space-Time Coding

Theory and Practice

Hamid Jafarkhani

1 In Page 19, line -3, after (1.25), the sentence "This M-fold increase in the receive average SNR results in a diversity gain of M." should be replaced by "Similar to this M-fold increase in the receive average SNR, maximum ratio combining results in a diversity gain of M."

2 In Page 39, line -4, the sentence "The outage capacity C_{out} is a value that is smaller than the random variable C only with a probability P_{out} (outage probability)." should be "The outage capacity C_{out} is a value that the random variable C is smaller than only with a probability P_{out} (outage probability)."

3 In Page 47, Equations (3.4), (3.5), and (3.6), $\frac{M \times M}{2}$ should be $\frac{T \times M}{2}$

4 In Page 65, Equation (4.34), $1 \leq n < n' \leq N$ should be $2 \leq n < n' \leq N$

5 In Page 65, the line after Equation (4.34), $\rho(N) = N - 1$ should be $\rho(N) = N$

6 In Page 67, Equation (4.41), $\sum_{n=1}^{N}(s_n - s'_n)^2$ should be $\left(\sum_{n=1}^{N}(s_n - s'_n)^2\right)^N$

7 In Page 79, Equation (4.78), $\kappa \sum_{k=1}^{K} |s_k - s'_k|^2$ should be $\left(\kappa \sum_{k=1}^{K} |s_k - s'_k|^2\right)^N$

8 In Page 121, line -5, $\sum_{k=1}^{4} |s_1|^2$ should be $\sum_{k=1}^{4} |s_k|^2$

9 In Page 124, line -10, $(\mathcal{V}_1, \mathcal{V}_4)$ should be $(\mathcal{V}_1, \mathcal{V}_5)$

10 In Page 124, line -10, $(\mathcal{V}_2, \mathcal{V}_5)$ should be $(\mathcal{V}_2, \mathcal{V}_6)$

11 In Page 130, line 19, b "input bit" should be b "input bits"

12 In Page 136, line -1, b "input bit" should be b "input bits"

13 In Page 186, line -7, "symbols pair" should be "symbols"

14 In Page 195, line 19, "[133]" should be "[132]"

15 In Page 221, line 14, "discussed in Chapter ," should be "discussed in Section 1.6,"