

Errata

Publication I

Equation (7) is written incorrectly. The correct equation is

$$E[|r|^2|H_1] = \frac{(\sigma_s^2 + \sigma_n^2)^2 + 2\mu_1^2}{M} + \mu_1^2.$$

Publication IV

Fig. 1 is not printed properly. The proper figure is given below

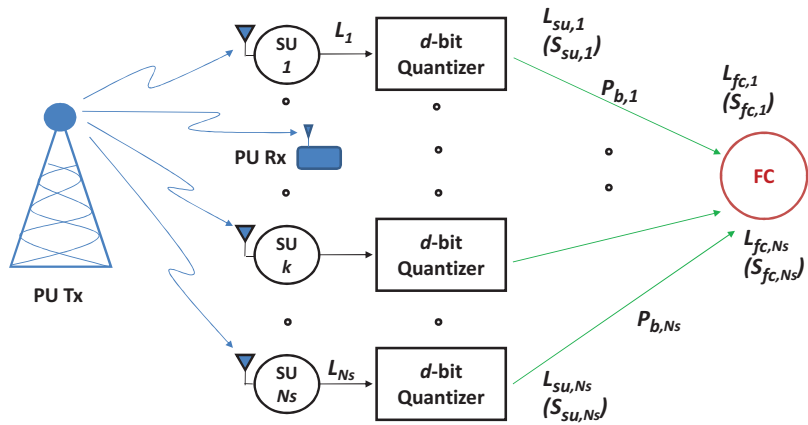


Figure 5.1. Secondary users (SUs) cooperate to detect CP-OFDM based primary user (PU) transmission. The n^{th} SU evaluates LLR (L_n), and transmits d bit symbol $S_{su,n}$ corresponding to the quantized LLR $L_{su,n}$. Due to the channel errors, the FC receives symbol $S_{fc,n}$ corresponding to the quantized value $L_{fc,n}$. The FC then combines the received LLRs from the cooperating secondary users to make a final decision.

Publication V

In this paper and Publications VII and VIII, it is assumed that $K = \lceil \frac{N}{2} \rceil$ for the MAJORITY fusion rule. This definition of the MAJORITY rule is appropriate only while using *odd* values of N as was done in these publications. However this definition of the MAJORITY fusion rule is incorrect for *even* values of N and the correct general definition is $K = \lceil \frac{N+1}{2} \rceil$.