

Errata of the conference publications P4, P6, and P7, within the Thesis for the degree of Doctor in Technology

Polynomial Predictive Filters: Implementation and Applications

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This errata concerns the conference publications P4, P6, and P7, within the following publication:

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In [P4], below (6) $\mathbf{A} = [1 \ A(1) \ A(2)]$

should read $\mathbf{A} = [1 \ A(2) \ A(3)]$

In [P6]
$$SNR_{out} = \frac{\sum_n \left[\left(f(x_c(n+1)^2 + x_s(n+1)^2) \right)^2 \right]}{\sum_n \left[\hat{y}(n) - \left(f(x_c(n+1)^2 + x_s(n+1)^2) \right) \right]^2} \quad (6)$$

should read
$$SNR_{out} = \frac{\sum_n \left[\left(f(x_c(n+1)^2 + x_s(n+1)^2) \right)^2 \right]}{\sum_n \left[\left(\hat{y}(n) - f(x_c(n+1)^2 + x_s(n+1)^2) \right)^2 \right]} \quad (6)$$

In [P7], pg. 934 the chip frequency 1.2244 MHz

should read the chip frequency 1.2288 MHz

In [P7]

$$\hat{p}_{rec,c} = \frac{1}{M} \sum_{m=1}^M \left[p_{trans}(n) \sum_{k=1}^K h(k) \frac{x_i(n-k)}{p_{trans}(n-k)} + p_{trans}(n) \sum_{k=1}^K h(k) \frac{x_q(n-k)}{p_{trans}(n-k)} \right]^2 \quad (3)$$

should read

$$\hat{p}_{rec,c} = \frac{1}{M} \sum_{m=1}^M \left[\left(p_{trans}(n) \sum_{k=1}^K h(k) \frac{x_i(n-k)}{p_{trans}(n-k)} \right)^2 + \left(p_{trans}(n) \sum_{k=1}^K h(k) \frac{x_q(n-k)}{p_{trans}(n-k)} \right)^2 \right] \quad (3)$$