Proof Edits

Nicholas Asendorf and Raj Rao Nadakuditi

T-SP-13946-2012 - IEEE Transactions on Signal Processing - "The Performance of a Matched Subspace Detector that Uses Subspaces Estimated from Finite, Noisy, Training Data"

To whom it may concern,

Could you please make the following changes to the proof

- Page 5, last paragraph in first column starting with "The detector derivations..." This is a continuation of the previous paragraph. Please delete the indentation, i.e., please make the first line left aligned with the column as well.
- Page 7, second column, last centered equation, beginning with " $\Lambda(\widehat{w}) = \widehat{w}^H B A \dots$ ". Please remove the \times in the middle of this equation.
- Page 8, equation (23). Please split this equation after the comma and horizontally align the equations so it looks like.

$$\Lambda(\widehat{w})|H_0 \sim \sum_{i=1}^{\widehat{k}} d_i \chi_{1i}^2,$$

$$\Lambda(\widehat{w})|H_1 \sim \sum_{i=1}^{\widehat{k}} d_i \left(\sigma_i^2 |\langle u_i, \widehat{u}_i \rangle|^2 + 1\right) \chi_{1i}^2$$

The code for this is

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\begin{equation*}
  \begin{aligned}
    & \Lambda(\widehat{w})|H_0\sim\sum_{i=1}^{\widehat{k}}d_i\chi_{1i}^2,\\
    & \Lambda(\widehat{w})|H_1\sim\sum_{i=1}^{\widehat{k}}
    d_i\left(\sigma_i^2|\langle
        u_i, \widehat{u}_i\rangle|^2 +1\right)\chi_{1i}^2\\
  \end{aligned}
\end{equation*}
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- Page 13, last line before equation (30). Please add a space between [20] and $\hat{\lambda}_i$.
- Page 13, last paragraph, second column right before references. Please make changes in the appendix as indicated on the next page in red:
- Page 14, biography of Nicholas Asendorf, second paragraph should begin "He is currently working towards his Ph.D. at the Department of Electrical...". Please add "...his Ph.D. at".