Errata

Illumination correction and analysis of two-dimentional
microscopy images of *loa loa* microfilariae

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1. "loa loa" is *italicized* everywhere in the thesis.

2. **On page** 48: where it reads "Most of the literature focuses on correcting the illumination bias field in Magnetic Resonance Imaging (MRI) images of the brain [VPL07]. The taxonomy of illumination correction methods can be organized into two main groups: prospective and retrospective." it should be read "Although most of the literature focuses on correcting the illumination bias field in Magnetic Resonance Imaging (MRI) images of the brain [VPL07], the taxonomy of illumination correction methods can be organized into two main groups: prospective and retrospective." .

3. **On page** 63: a semicolon ";" **is inserted in** "... $3mn$ comparisons ; subtraction ...".

4. **On pages** 73 and 74: a semicolon ";" **has replaced** the period "." at the end of each item of the list.

5. **On page** 87: where it reads "... RGB component into the input image" it should be read "... RGB component in the input image.".

6. **On page** 89: where it reads "... and $0 \leq \alpha, \beta \leq 2$." it should be read "... and $\alpha, \beta = 0, 1, 2$.".

7. **On page** 97: where it reads "... such that $\mathcal{K}(v_i, v_j) = \phi(v_i)\phi(v_j)$, and ..." it should be read "$\mathcal{K}(\boldsymbol{v}_i, \boldsymbol{v}_j) = \phi(\boldsymbol{v}_i)\phi(\boldsymbol{v}_j)$, and ...".

8. **On page** 105: where it reads "... (test set) into a another cloud ..." it should be read "... (test set) into another cloud ...".

9. where it reads "... almost all filters, are a combination of two ..." it should be read "... almost all filters, are constructed from two ...".

10. **On page** 140: where it reads "Experimental results were designed to study ..." it should be read "Tests were designed to study ...".

11. **On page** 151: "for" **is inserted in** : Figure 6.14: ROC Curve for training using sets A and B and testing set C.

12. **On page** 163: sub-figure caption in **Figure** 7.1 is removed.