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# **Context-Aware Keypoint Extraction for Robust Image Representation**

Supplementary material

Pedro Martins, Paulo Carvalho, and Carlo Gatta

This document contains supplementary material for the paper entitled “Context-Aware Keypoint Extraction for Robust Image Representation”. The following items have been included:

1. **Visualisation of [HES]-CAKE features** – for some images from the Graffiti sequence (Oxford dataset)
2. **Visualisation of complementary features** – visualisation of [HES]-CAKE features combined with other features

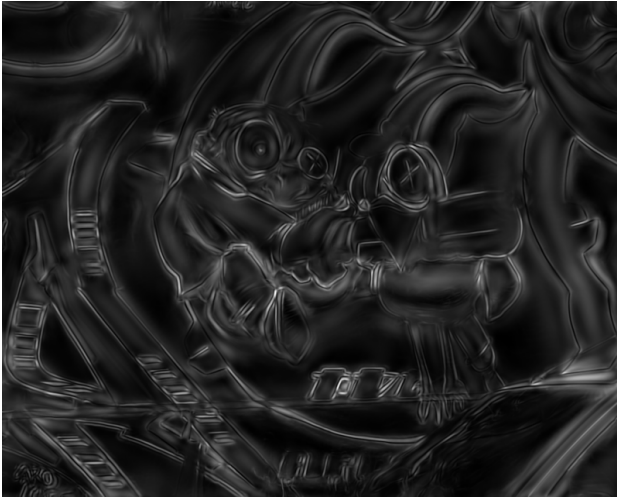
## Visualisation of [HES]-CAKE features



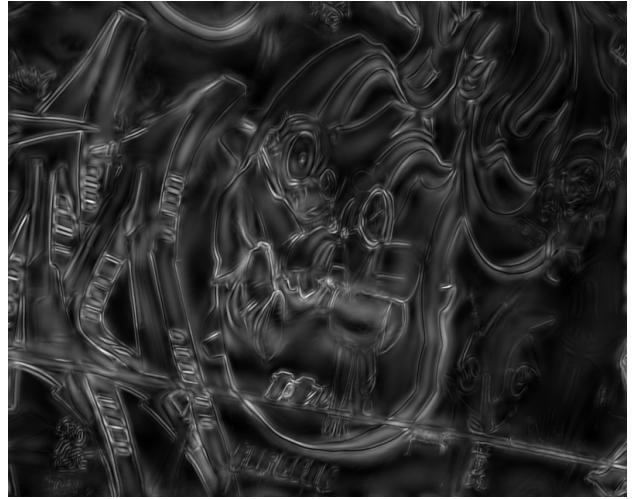
(a)



(b)



(c)



(d)

Figure 1: [HES]-CAKE regions extracted from the first and third images in the “Graffiti” sequence: (a) and (b): extracted regions (from the 1500 most informative keypoints); (c) and (d): information maps.

## Visualisation of complementary features

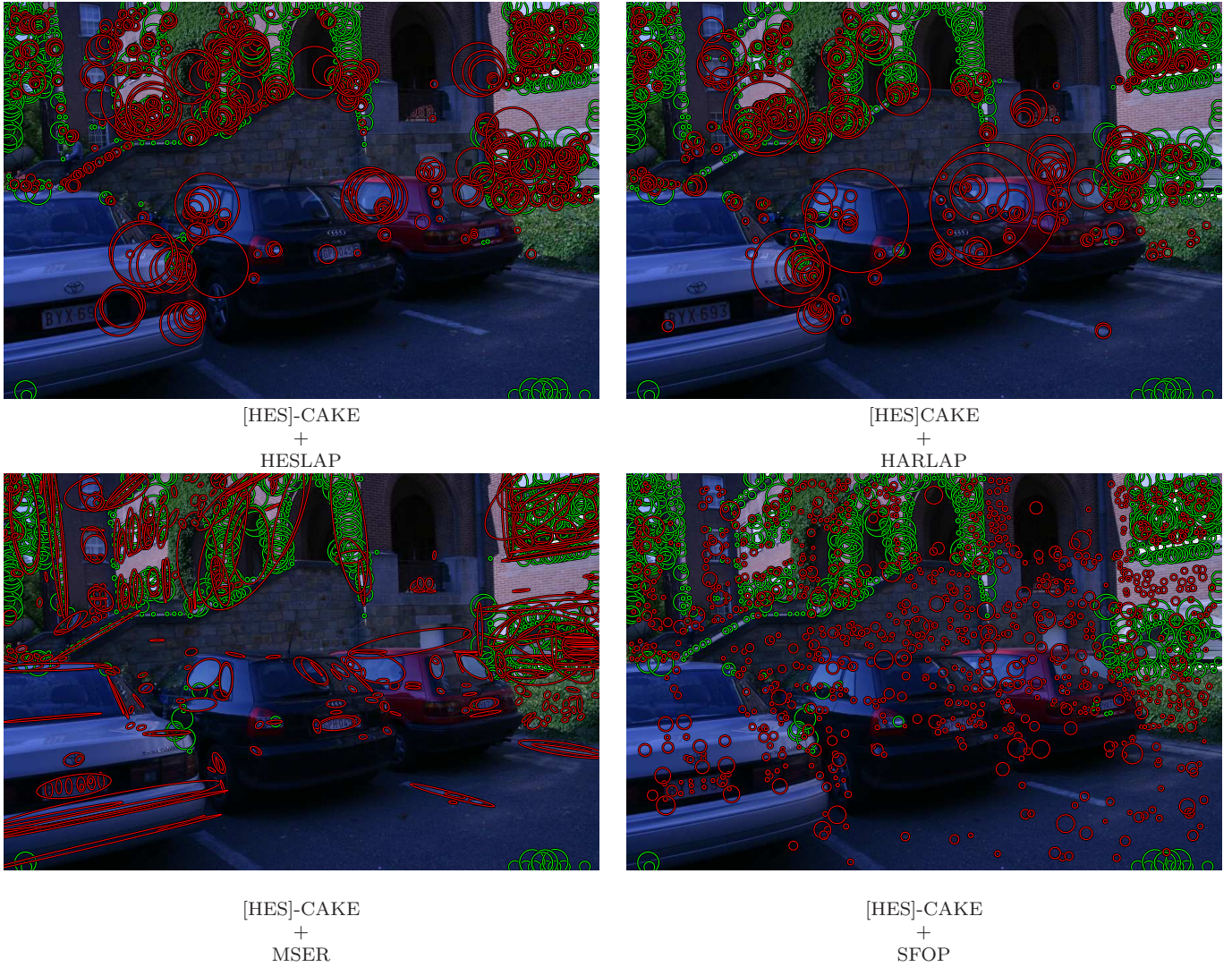


Figure 2: Complementarity of regions depicted on the third image of the “Leuven” sequence. [HES]-CAKE regions are marked green.