Errata

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August 2, 2017

Abstract

This document tracks the errata of Kacper Pluta, Guillaume Moroz, Yukiko Kenmochi, and Pascal Romon. *Quadric Arrangement in Classifying Rigid Motions of a 3D Digital Image*, pages 426–443. Springer International Publishing, Cham, 2016. ISBN 978-3-319-45641-6. doi: 10.1007/978-3-319-45641-6_27. URL `http://dx.doi.org/10.1007/978-3-319-45641-6_27`.

1. In the article we said that the machine has 40 cores. While we should rather say that there are 20 physical and 20 virtual cores.
2. Introduction, in the second paragraph [for a diameter of an image patch]$_r^{1:1}$
3. Section 2.1, in the last paragraph [A digitized rigid motion]$_r^{1:2}$
4. Section 4, in the first paragraph [The sweeping plane stops between two event points and we intersect quadrics related to them with the sweeping plane]$_r^{1:3}$
5. Section 4.4, the first paragraph: [At such a midpoint we intersect the set of quadrics with the sweeping plane]$_r^{1:4}$
6. In the captions of Figure 5 and Figure 6: [intersection]$_r^{1:5}$
7. In Lemma 2, $[K_\infty(\rho_{|S}) \subset \{a \mid M(a) \text{ has rank at most } 1\}.]_r^{1:6}$
8. In the proof of Lemma 2, [Thus K_∞ is a subset of a such that $M(a)$ has a rank less than or equal 1]$_r^{1:7}$
9. The symbol p used just after the definition 1 and in the proof of lemma 2 represents a 3D point, thus it should be replaced with $\mathbf{p}$.

[1:1] was: for a diameter of a subset of an image patch
[1:2] was: The digitized rigid motion
[1:3] was: The sweeping plane stops between two event points and we project quadrics related to them onto the sweeping plane
[1:4] was: At such a midpoint we project the set of quadrics onto the sweeping plane
[1:5] was: projection
[1:6] was: $K_\infty(\rho_{|S}) = \{a \mid M(a) \text{ has rank at most } 1\}$.
[1:7] was: Thus K_∞ is the set of a such that $M(a)$ has a rank less than or equal 1

10. In the last phrase of the lemma's 2 proof $[\alpha = C_{\inf}]_r^{1:8}$.

11. In the section 4.1, the bullet list: $[a \in K(\rho_{|S_i}) \cup K_\infty(\rho_{|S_i})]_r^{1:9}$

[1:8] was: $m = C_{\inf}$
[1:9] was: $a \in K(\rho_{|C_i}) \cup K_\infty(\rho_{|C_i})$