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Corrigendum

Corrigendum to "A Novel Improved Probability-Guided RANSAC Algorithm for Robot 3D Map Building"

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In the article titled "A Novel Improved Probability-Guided RANSAC Algorithm for Robot 3D Map Building" [1], there were errors in equations (21), (29), (31), and (32), which should be corrected as follows:

$$E = \arg\min_{T_k} \frac{1}{N} \sum_{\Omega} \| r_i(\xi) \|^2$$
 (21)

$$E = \sum_{i=0}^{n} \|r_i\|^2$$
, $r_i = \pi (Hu_i^{\text{ref}}) - u_i$ (29)

$$m'Fm^T = 0 (31)$$

$$r = \frac{\left(m'Fm^{T}\right)^{2}}{\|F^{T}m'^{T}\|^{2} + \|Fm^{T}\|^{2}}.$$
(32)

References

[1] S. Jia, K. Wang, X. Li, and T. Xu, "A novel improved probability-guided RANSAC algorithm for robot 3D map building," *Journal of Sensors*, vol. 2016, Article ID 3243842, 18 pages, 2016.

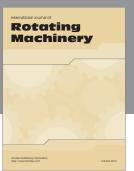
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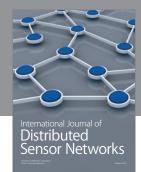
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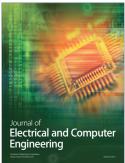


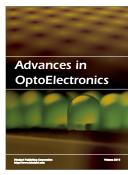




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