Erratum to: Fuzzy ART-based place recognition for visual loop closure detection

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Subsection 3.3.2 of this article contained several errors:

- In the line immediately preceding Eq. 2, “vecto” should have been “vector”.
- In Eq. 2, “a” should have been “ α ”:

$$T_j = \frac{|A \wedge U_j|}{\alpha + |U_j|}$$

- Equation 3 was rendered incorrectly; the correct equation is

$$M_J = \frac{|A \wedge U_J|}{|A|} \geq \rho$$

The online version of the original article can be found under doi:[10.1007/s00422-012-0539-x](https://doi.org/10.1007/s00422-012-0539-x).

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- In step 1 of the algorithm, “a” should have been “ α ”:

Initialize the Fuzzy ART parameters $\rho \in [01]$, $\beta \in [01]$,
and $\alpha > 0$.

- In step 2 of the algorithm, “ac” should have been “ a^c ”:

$A = (a, a^c)$.

- Page 5, line 12 from the bottom
Change “a difference” to “the difference”
- The title of the Subsection 3.3.1
Replace “vsual” by “visual”
- Page 7, just under title of Fig. 3
Change “with n is the size” to “with 2n is the size”
- Page 7
Replace “F2” by “ F_2 ” and “TJ” by “ T_J ”
- Table 3, First row, last column
Replace “RatSLAM” by “Fuzzy ART”
- Page 11, line 4 from the top
Remove “vocabulary”