

## Erratum to: Reliable GPS + BDS RTK positioning with partial ambiguity resolution

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### Erratum to: GPS Solut DOI 10.1007/s10291-016-0594-1

Some expressions in the math environment in Equations 2, 6, 10 and 11 were displayed incorrectly in the PDF version of the published article. The correct equations are provided below.

$$\mathbf{A} = \begin{bmatrix} \mathbf{0} \\ \text{blkdiag}(\mathbf{A}_G, \mathbf{A}_B) \end{bmatrix} \quad (2)$$

$$\begin{bmatrix} \hat{\mathbf{a}} \\ \hat{\mathbf{b}} \end{bmatrix} \sim \mathcal{N} \left( \begin{bmatrix} \mathbf{a} \\ \mathbf{b} \end{bmatrix}, \begin{bmatrix} \mathbf{Q}_{\hat{\mathbf{a}}} & \mathbf{Q}_{\hat{\mathbf{a}}\hat{\mathbf{b}}} \\ \mathbf{Q}_{\hat{\mathbf{b}}\hat{\mathbf{a}}} & \mathbf{Q}_{\hat{\mathbf{b}}} \end{bmatrix} \right) \quad (6)$$

The subscripts of both “Q”s are incorrect in the first math expression after Eq. 10. The correct equation and the text read as follows:

$$\check{\mathbf{b}} = \hat{\mathbf{b}} - \mathbf{Q}_{\hat{\mathbf{b}}\hat{\mathbf{z}}_I} \mathbf{Q}_{\hat{\mathbf{z}}_I}^{-1} (\hat{\mathbf{z}}_I - \check{\mathbf{z}}) \quad (10)$$

with  $\mathbf{Q}_{\hat{\mathbf{b}}\hat{\mathbf{z}}_I} = \mathbf{Q}_{\hat{\mathbf{b}}\hat{\mathbf{a}}}\mathbf{Z}_I^T$  and  $\mathbf{Q}_{\hat{\mathbf{z}}_I} = \mathbf{Z}_I\mathbf{Q}_{\hat{\mathbf{a}}}\mathbf{Z}_I^T$ .

$$\mathbf{Q}_{\hat{\mathbf{b}}|\hat{\mathbf{z}}_I} = \mathbf{Q}_{\hat{\mathbf{b}}} - \mathbf{Q}_{\hat{\mathbf{b}}\hat{\mathbf{z}}_I} \mathbf{Q}_{\hat{\mathbf{z}}_I}^{-1} \mathbf{Q}_{\hat{\mathbf{z}}_I} \mathbf{Q}_{\hat{\mathbf{b}}} \quad (11)$$

The equations in the original article have been updated accordingly.

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The online version of the original article can be found under doi:10.1007/s10291-016-0594-1.

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