

# Assessing and mitigating alignment defects of the pyramid wavefront sensor: a translation insensitive control method (Corrigendum)

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A&A 619, A56 (2018), <https://doi.org/10.1051/0004-6361/201833685>

**Key words.** instrumentation: adaptive optics – techniques: high angular resolution – telescopes – errata, addenda

An error has occurred during the production of the published article. Before Eq. (4), second column, fourth line, it is written: “Normalized quadrants, either local or global, are”, but it should read “Normalized quadrants, either local or global, are rearranged into measurement terms depending on the PWFS operation method. Conventionally, quad-cell SH-like terms X, Y are used as follows:”

$$\begin{aligned} \begin{bmatrix} X_{\text{norm}} \\ Y_{\text{norm}} \end{bmatrix} [k] &= \begin{bmatrix} A_{\text{norm}} - B_{\text{norm}} + C_{\text{norm}} - D_{\text{norm}} \\ A_{\text{norm}} + B_{\text{norm}} - C_{\text{norm}} - D_{\text{norm}} \end{bmatrix} [k] \\ &= \begin{bmatrix} [r]1 & -1 & 1 & -1 \\ 1 & 1 & -1 & -1 \end{bmatrix} \cdot \begin{bmatrix} A_{\text{norm}} \\ B_{\text{norm}} \\ C_{\text{norm}} \\ D_{\text{norm}} \end{bmatrix} [k], \end{aligned}$$

where  $\text{norm} \in \{\text{Loc}, \text{Glob}\}$ .

(4)