

$$\begin{aligned} 5) \quad \alpha &= -1\,987^{\circ}12'56'' & \alpha' &= \alpha - \left\lfloor \frac{\alpha}{360^{\circ}} \right\rfloor \cdot 360^{\circ} \\ & & \alpha' &= -1\,987^{\circ}12'56'' - \left\lfloor \frac{-1\,987^{\circ}}{360^{\circ}} \right\rfloor \cdot 360^{\circ} \\ & & \alpha' &= -1\,987^{\circ}12'56'' - \lfloor -5.52 \rfloor \cdot 360^{\circ} \\ & & \alpha' &= -1\,987^{\circ}12'56'' - (-6) \cdot 360^{\circ} \\ & & \alpha' &= -1\,987^{\circ}12'56'' + 2160^{\circ} \\ & & \alpha' &= 2160^{\circ} - 1\,987^{\circ}12'56'' \\ & & \alpha' &= 2159^{\circ}59'60'' - 1\,987^{\circ}12'56'' \\ & & \alpha' &= 172^{\circ}47'4''; \quad \{172^{\circ}47'4'' + k \cdot 360^{\circ}, k \in \mathbf{Z}\} \end{aligned}$$