Correction to
"A nonlinear elliptic system for maps from Hermitian to Riemannian manifolds and rigidity theorems in Hermitian geometry"

by

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Since in the proofs of Lemmata 6 and 7 a positivity condition is used that is stronger than positivity of ω^m, we need to strengthen the definition of an astheno-Kähler manifold (beginning of §4).

We therefore propose the following

Definition. Let X be an m-dimensional Hermitian manifold with Hermitian metric $\gamma_{\alpha\bar\beta}dz^\alpha dz^{\bar\beta}$. X is called astheno-Kähler if

$$\omega := \tfrac{1}{2}i\gamma_{\alpha\bar\beta}dz^\alpha \wedge dz^{\bar\beta}$$

satisfies

$$\partial\bar\partial\omega^{m-2} = 0.$$

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