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CORRIGENDUM TO "DEFORMATIONS OF SPECIAL LEGENDRIAN SUBMANIFOLDS WITH BOUNDARY" OSAKA J. MATH. 51 (2014), 673–693

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The lines 19-28 "Our first result is ...... boundary in [16]" on the page 675 of [2] are corrected into:

"Denote by g the Riemannian metric $\frac{1}{2}d\alpha(\cdot, J\cdot) + \alpha\otimes\alpha$ on M, see [2, (2.1)] for precise constructions. Let $N(L)$ be the normal bundle of L with respect to g, and let $\Gamma(N(L))_W$ be the set of all $V\in\Gamma(N(L))$ that are the deformation vector fields to normal deformation through special Legendrian submanifolds with boundary confined in W. Our first result is

Theorem 0.1. *Let (M, J, α, ϵ) be a contact Calabi-Yau manifold, and L be a connected compact special Legendrian submanifold with nonempty boundary ∂L inside a scaffold W of codimension two. Then the moduli space $\mathfrak{M}(L, W)$ has at most dimension* $\dim H^1(L;\mathbb{R}) + 1$ *near L; moreover $\Gamma(N(L))_W$ is a vector space of dimension at most* $\dim H^1(L;\mathbb{R}) + 1$.

This is similar to Butsher theorem [1]."

The original Theorem 1.1 in [2] is incorrect since Example 2.7 in [2] provided an counterexample to it as pointed out by Georgios Dimitroglou Rizell in his review MR3272612 in MathSciNet. The reason of the incorrectness of Theorem 1.1 was caused by incorrect Proposition 3.3 in [2]. In order to give a correct version of the latter, the following replacements are needed.

(iii) and (iv) in [2, Lemma 3.1] should be, respectively, changed into:

(iii) $(t, x, v, s_1, s_2)\in\phi(\mathscr{U})\Rightarrow(t, x, v, 0, 0)\in\phi(\mathscr{U})$,

(iv) for any nowhere zero smooth section $V : W\to\xi'^{\perp}|_W$, ϕ can be required to satisfy $\phi_*(V(p)) = \frac{\partial}{\partial s_1}\Big|_{\phi(p)}$ for any $p\in\partial L$, where (s_1, s_2) are the coordinate functions of $\mathbb{R}^2$.

The metric "$\hat{g} := \rho g_1 + (1-\rho)g$" in line 20 of [2, page 684] is replaced by

$$\hat{g} := \rho g_1 + (1-\rho)g.$$

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