

Corrections to
Connections, Sprays and Finsler Structures
by J. Szilasi, R.L. Lovas and D.Cs. Kertész
November 10, 2019

- Page 104, Lemma 3.1.19:** At the end of the fourth line replace $\dot{\alpha}(v)$ with $\dot{\alpha}(0)$.
- Page 106, Proposition 3.1.26:** Insert „manifold” after „ n -dimensional”.
- Page 111, proof of Lemma 3.1.36:** In the first sentence change $\varphi_{(a,b)}$ to $\varphi_{a,b}$.
- Page 114, end of Example 3.1.38:** The right-hand bottom node of the diagram should be M instead of TM .
- Page 168, subsection 3.4.2, introduction:** In the second sentence “By a top form” should read “By a top form”.
- Page 182, Remark 4.1.1(e):** At the end of line 8, $\tilde{\alpha}$ should read τ .
- Page 185, Remark 4.1.2(a):** The correct form of line 3 is $\tilde{\pi}: \dot{TM} \times_M TM \rightarrow \dot{TM}$, with \dot{TM} at the end.
- Page 195, Definition 4.1.14:** At the end of the 5th line, ‘vectors of $T_v TM$ ’ should be ‘vectors of $V_v TM$ ’.
- Page 209, Lemma 4.1.42:** In the 6th line, “Remark 3.1.38(a)” should read “Example 3.1.38(a)”.
- Page 244, Remark 5.1.19(a):** In the 4th line, “deflection” should be “deviation”.
- Page 244, Remark 5.1.19(c):** In the 2nd line, both G_i s should be G^i .
- Page 253, Definition 5.1.40:** In the 5th line, exp maps into M , and not into \mathbb{R} .
- Page 293, Lemma and Definition 6.1.26:** In the last sentence, “called” should be italic.
- Page 414, proof of Lemma 7.10.6:** At the beginning of the third to last line insert F after $\nabla^v \nabla^h$.
- Page 497, Corollary 8.5.5:** Change “horizonal” to “horizontal”.
- page 567, line 3:** change $S(v(p))$ to $S(U(p))$.
- Page 567, proof of Theorem 9.3.22:** In the second to last step of the last calculation, change $D_X^U X$ to $D_X^U U$.
- Page 593, Theorem 9.6.1:** In formula (9.6.1), F should be \bar{F} .
- Page 593, proof of Theorem 9.6.1:** In the 5th line, \bar{S} should be S .
- Page 637:** At the end of the 5th line from the top $a \in H$ should read $a \in G$.
- Page 641, A.4.2(a):** In the second sentence of the third paragraph change “nonnegative” to “non-negative”.
- Page 668, Lemma C.2.5:** Change all occurrences of p to q in the third line of the proof.
- Page 687, index of general conventions:** In the 11th line change “nonnegative” to “non-negative”.