CORRIGENDUM

Corrigendum: Consistent solution of Einstein–Cartan equations with torsion outside matter (2021 *Class. Quantum Grav.* <u>38 205003</u>)

To cite this article: Klaus Morawetz 2023 Class. Quantum Grav. 40 029501

View the article online for updates and enhancements.

You may also like

- Fluctuations due to the nonlocal character of collisions K Morawetz
- <u>Decay of solutions to the Maxwell equation</u> on the Schwarzschild background Lars Andersson, Thomas Bäckdahl and Pieter Blue

- <u>Solid-state polymerization induced by</u> radiation A Charlesby



IOP ebooks[™]

Bringing together innovative digital publishing with leading authors from the global scientific community.

Start exploring the collection-download the first chapter of every title for free.

Class. Quantum Grav. 40 (2023) 029501 (2pp)

https://doi.org/10.1088/1361-6382/acaae3

Corrigendum

Corrigendum: Consistent solution of Einstein–Cartan equations with torsion outside matter (2021 *Class. Quantum Grav.* 38 205003)

Klaus Morawetz

Münster University of Applied Sciences, Stegerwaldstrasse 39, 48565 Steinfurt, Germany International Institute of Physics-UFRN, Campus Universitário Lagoa Nova, 59078-970 Natal, Brazil

E-mail: morawetz@fh-muenster.de

Received 18 November 2022 Accepted for publication 12 December 2022 Published 23 December 2022



1

Unfortunately in the paper (2021 *Class. Quantum Grav.* **38** 205003) have appeared a couple of misprints not affecting the quantitative results or figures. It concerns the equations:

Equation (1): the first C_{ij}^{l} has to be replaced by C_{ij}^{j} .

Equation (3): the missing indix in g^m is g^{km} and the first g_{mk} has to be replaced by g_{jk} .

Equation (7): missing $_k$ for Levi-Civita ∇ .

In the sentence at the beginning of chapter 3.1 and the two sentences before (21) 'asymmetric' has to be replaced by 'antisymmetric'.

Equation (25): the capital *S* is a small *s*.

Equations (33) and (35): the argument of a(r) should be removed since it is dependent on all variables.

Equation (35): a factor κ is missing on the left side.

Equation (101): the integration is $d\hat{r}$ instead of dr.

In the sentence after (102), omit 'and the lower limit' since the upper limit is the throat. Equations (115) and (125): the tanh should read $tanh^2 x$.

Equations (116), (122) and (126): the factors 4 have to be removed.

Equations (119) and (124): the factor 3 has to be replaced by $|\lambda|$ and r by $\sqrt{\frac{|\lambda|}{3}}r$.

1361-6382/23/029501+2\$33.00 © 2022 IOP Publishing Ltd Printed in the UK

Equation (121): the term d^2 should read d^2r . Equation (130): a factor dt^2 is missing in the first term on the right-hand side.

Acknowledgment

The author likes to thank Emmanuel Vignes for pointing out some misprints.

ORCID iD

Klaus Morawetz D https://orcid.org/0000-0003-2119-9461