



Universiteit
Leiden
The Netherlands

Fields of definition of elliptic curves with prescribed torsion

Bruin, P.J.; Najman, F.

Citation

Bruin, P. J., & Najman, F. (2017). Fields of definition of elliptic curves with prescribed torsion. *Journal Of Cosmology And Astroparticle Physics*, 181, 85-95. Retrieved from <https://hdl.handle.net/1887/58319>

Version: Not Applicable (or Unknown)

License:

Downloaded from: <https://hdl.handle.net/1887/58319>

Note: To cite this publication please use the final published version (if applicable).

ERRATUM • OPEN ACCESS

Erratum: Measuring global monopole velocities, one by one

To cite this article: Asier Lopez-Eiguren *et al* JCAP06(2017)E01

View the [article online](#) for updates and enhancements.

Related content

- [Erratum: primordial spikes from wrapped brane inflation](#)
Takeshi Kobayashi and Jun'ichi Yokoyama
- [Erratum: Constraints on dark energy from new observations including Pan-STARRS](#)
Wei Zheng, Si-Yu Li, Hong Li et al.
- [Erratum: primordial spikes from wrapped brane inflation](#)
Takeshi Kobayashi and Jun'ichi Yokoyama

Erratum: Measuring global monopole velocities, one by one

Asier Lopez-Eiguren,^a Jon Urrestilla^a and Ana Achúcarro^{a,b}

^aDepartment of Theoretical Physics, University of the Basque Country UPV/EHU, 48080 Bilbao, Spain

^bInstitute Lorentz of Theoretical Physics, University of Leiden, 2333CA Leiden, The Netherlands

E-mail: asier.lopez@ehu.eus, jon.urrestilla@ehu.eus, achucar@lorentz.leidenuniv.nl

Received June 8, 2017

Accepted June 9, 2017

Published June 19, 2017

Erratum to: [JCAP01\(2017\)020](#)

ArXiv ePrint: [1611.09628](#)

In our paper “Measuring global monopole velocities, one by one” published in [JCAP 01 \(2017\) 020](#) [1] we obtain several velocity estimations for global monopoles. However, as is pointed out in [2], there was an error in equation (5.4), which should read as follows:

$$\epsilon = \frac{cv_0}{3(1-\lambda) - \lambda v_0^2}, \quad k = \frac{\lambda v_0}{(1-\lambda)^{3/2} \epsilon^{1/2}}. \quad (1)$$

In table 1 and table 2 we show the updated values of the corresponding table 5 and table 6 of [1], respectively.

Finally the updated version of equation (6.2) reads as follows:

$$\begin{aligned} c_r &= 2.6 \pm 0.3, & k_r &= 0.9 \pm 0.1, \\ c_m &= 2.5 \pm 0.3, & k_m &= 1.6 \pm 0.1. \end{aligned} \quad (2)$$

These corrections do not affect any of the results or conclusions that were obtained in our paper.



	s=0			s=1		
	ϵ	c	k	ϵ	c	k
Radiation	1.42 ± 0.09	2.5 ± 0.2	0.76 ± 0.02	1.53 ± 0.04	2.6 ± 0.2	0.92 ± 0.02
Matter	1.97 ± 0.09	2.2 ± 0.2	1.55 ± 0.04	2.00 ± 0.06	2.7 ± 0.2	1.42 ± 0.02

Table 1. Values of the analytic parameters for radiation ($\lambda = 1/2$) and matter ($\lambda = 2/3$), and for $s = 0$ and $s = 1$.

	ϵ	c	k
Radiation	1.47 ± 0.09	2.6 ± 0.3	0.9 ± 0.1
Matter	1.98 ± 0.07	2.5 ± 0.3	1.6 ± 0.2

Table 2. Values of the analytic parameters for radiation and matter averaging over all simulations with $s = 0$ and $s = 1$. We first average over all velocities, and then use that average (with errors) to obtain the value of c and k .

Acknowledgments

We would like to thank L. Sousa and P.P. Avelino for pointing out the error.

References

- [1] A. Lopez-Eiguren, J. Urrestilla, and A. Achúcarro, *Measuring Global Monopole Velocities, one by one*, *JCAP* **01** (2017) 020 [[arXiv:1611.09628](#)].
- [2] L. Sousa and P.P. Avelino, *Revisiting the VOS model for monopoles*, [arXiv:1703.09054](#).