

Correction

Correction: Christodoulou et al. A Common Origin of the H_0 and S_8 Cosmological Tensions and a Resolution Within a Modified Λ CDM Framework. *Galaxies* 2026, 14, 16

Dimitris M. Christodoulou ^{1,*} , Demosthenes Kazanas ²  and Silas G. T. Laycock ³ 

¹ Department of Mathematical Sciences, DePaul University, Chicago, IL 60614, USA

² Astrophysics Science Division, Code 663, NASA Goddard Space Flight Center, Greenbelt, MD 20771, USA; demos.kazanas@nasa.gov

³ Lowell Center for Space Science and Technology, University of Massachusetts Lowell, Lowell, MA 01854, USA; silas_laycock@uml.edu

* Correspondence: dchris32@depaul.edu or dimitris_christodoulou@uml.edu

Missing Subsection

In the original publication [1], the Section 4.10, “Hubble Tension Unraveled” was inadvertently omitted from the manuscript. The missing subsection is provided below and has been added to the end of Section 4 in the updated version of the article.

4.10. Hubble Tension Unraveled

Rows 1 and 2 in Table 5 indicate that the values of H_0 and $\Omega_{\Lambda 0}$ remain unchanged in $\gamma\Lambda$ CDM. On the other hand, Equation (45) with $\gamma \ll 1$ implies that the local CDL measurements infer an enlarged value of the Hubble constant

$$H_0(\gamma) = H_0(1 + \gamma), \quad (92)$$

relative to the CMB-inferred value of $H_0 = (67.4 \pm 0.5) \text{ km s}^{-1} \text{ Mpc}^{-1}$.

For the γ values adopted in this work ($\gamma \simeq 4\% - 8\%$), the Hubble tension is thereby resolved. In Table 6, we summarize the $\gamma\Lambda$ CDM values of $H_0(\gamma)$ in comparison to the results of the two leading sets of local CDL measurements [15–17].

Table 6. $\gamma\Lambda$ CDM values of $H_0(\gamma)$ (Equation (92) with $H_0 = 67.4 \text{ km s}^{-1} \text{ Mpc}^{-1}$) compared to the H_0 [CDL] results from local CDL measurements.

γ	$\rightarrow$ $H_0(\gamma)$ ($\text{km s}^{-1} \text{ Mpc}^{-1}$)	H_0 [CDL] ($\text{km s}^{-1} \text{ Mpc}^{-1}$)	$\leftarrow$ Data Set	Reference-Review
0.083	73.0	73.0 ± 1.0	Cepheids–SnIa	[16]–[15]
0.076	72.5	72.5 ± 1.0	Cepheids–SnIa (+TRGB)	
0.039	70.0	69.8 ± 1.7	SnIa–TRGB	[17]–[15]
0.035	69.8			



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The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.

Reference

1. Christodoulou, D.M.; Kazanas, D.; Laycock, S.G.T. A Common Origin of the H_0 and S_8 Cosmological Tensions and a Resolution Within a Modified Λ CDM Framework. *Galaxies* **2026**, *14*, 16. [[CrossRef](#)]

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