scientific reports

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Author Correction: A Model of the Cosmos in the ancient Greek Antikythera Mechanism

Published online: 24 August 2021

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Correction to: *Scientific Reports* https://doi.org/10.1038/s41598-021-84310-w, published online 12 March 2021

This original version of this Article contained repeated errors, where the Greek character Υ (Upsilon) was incorrectly given as Ψ (Psi) and fractions were incorrectly shown as superscripts.

As a result, in the "Period relations and ancient Greek theories" section,

"Then came a notable discovery in 2016 in the FCI[12]: unexpected numbers ΨΞB (**462**) in the Venus section of the FCI and ΨMB (**442**) in the Saturn section, translating into highly accurate period relations: for Venus (**289**, **462**) and Saturn (**427**, **442**) (Fig. 1b, Supplementary Fig. S4)"

now reads:

"Then came a notable discovery in 2016 in the FCI[12]: unexpected numbers ΥΞB (**462**) in the Venus section of the FCI and ΥMB (**442**) in the Saturn section, translating into highly accurate period relations: for Venus (**289**, **462**) and Saturn (**427**, **442**) (Fig. 1b, Supplementary Fig. S4)"

In the legend of Fig. 1,

"The numbers ΨΞB (462) in the Venus section and ΨMB (442) in the Saturn section are highlighted[12] (Supplementary Fig. S4)."

now reads:

"The numbers ΥΞB (462) in the Venus section and ΥMB (442) in the Saturn section are highlighted[12] (Supplementary Fig. S4)."

In the "Theoretical mechanisms for our model" section,

"A rotation of -$^{12/223}$ for the Line of Nodes, derived from the Metonic and Saros cycles[9], could not be mechanized because of the large prime **223**. We show that a simpler ratio -$^{5/93}$, with a more accurate period of 18.6 years[14], can be calculated by a 4-gear epicyclic train (Fig. 3a, Supplementary Figs. S21, S22)."

now reads:

"A rotation of $-\frac{12}{223}$ for the Line of Nodes, derived from the Metonic and Saros cycles[9], could not be mechanized because of the large prime **223**. We show that a simpler ratio $-\frac{5}{93}$, with a more accurate period of 18.6 years[14], can be calculated by a 4-gear epicyclic train (Fig. 3a, Supplementary Figs. S21, S22)."

Lastly, in the Supplementary Information 4 file, the legend for Supplementary Fig. S4,

"The numbers ΨΞB (462) in Line 6 and ΨMB (442) in Line 33 are highlighted in red."

now reads:

"The numbers ϒΞB (462) in Line 6 and ϒMB (442) in Line 33 are highlighted in red."

The original Supplementary Information 4 file is provided below.

The original Article and accompanying Supplementary Information 4 file have been corrected.

Additional information

Supplementary Information The online version contains supplementary material available at https://doi.org/10.1038/s41598-021-96382-9.