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

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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  $\Upsilon$  (Upsilon) was incorrectly given as  $\Psi$  (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<sup>12</sup>: unexpected numbers  $\Psi\Xi\text{B}$  (462) in the Venus section of the FCI and  $\Psi\text{MB}$  (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<sup>12</sup>: unexpected numbers  $\Upsilon\Xi\text{B}$  (462) in the Venus section of the FCI and  $\Upsilon\text{MB}$  (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  $\Psi\Xi\text{B}$  (462) in the Venus section and  $\Psi\text{MB}$  (442) in the Saturn section are highlighted<sup>12</sup> (Supplementary Fig. S4).”

now reads:

“The numbers  $\Upsilon\Xi\text{B}$  (462) in the Venus section and  $\Upsilon\text{MB}$  (442) in the Saturn section are highlighted<sup>12</sup> (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<sup>9</sup>, 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<sup>14</sup>, 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<sup>9</sup>, 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<sup>14</sup>, 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  $\Psi\Xi\text{B}$  (462) in Line 6 and  $\Psi\text{MB}$  (442) in Line 33 are highlighted in red.”

now reads:

Published online: 24 August 2021

“The numbers YEB (462) in Line 6 and YMB (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>.



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