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CORRECTION

Correction: Assessment of the Accuracy and Precision in the Application of Generalized Continuous Models for the Structural Analysis of Regular Buildings: a Systematic Literature Review

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Correction: Journal of Vibration Engineering & Technologies (2025) 13:271
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The publication of this article unfortunately contained several mistakes:

Corrections in references:

In the first sentence of section 'Classical Continuous Model', the references were cited as '[12-61]' and should have read '[11-74]'.

In the same section, the reference in the following sentence 'The potential energy of deformation is expressed as [74]:' was cited as [74] and should have read '[120]'.

In the caption of Fig. 11, the reference was cited as '[58]' and should have read '[5]'.

Text correction:

In the sentence beginning 'The strain potential energy is expressed as [75]: …', the term 'vending' should have read 'bending'.

Corrections in equations:

Equation 5 was incorrectly given as $V_{SWB} = \frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_s\left[\theta(x) - u'(x)\right]^2 \right\} dx + \frac{1}{2}\int_0^H K_{b2}u''^2(x)dx$ and should have read $V_{SWB} = \frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_{s1}\left[\theta(x) - u'(x)\right]^2 \right\} dx + \frac{1}{2}\int_0^H K_{b2}u''^2(x)dx.$

Equation 13 was incorrectly given as $V_{GCTB} = \frac{1}{2}\int_0^H \left\{ K_{b1}w'^2(x) + K_{s1}[\theta(x) - u\prime(x)]^2 + K_{b2}\theta'^2(x) \right\} dx + \frac{1}{2}\int_0^H K_{s2}\left[u'^2(x) + m\theta(x) - nw(x)\right]^2 dx$ and should have read $V_{GCTB} = \frac{1}{2}\int_0^H \left\{ K_{b1}w'^2(x) + K_{s2}\left[\theta(x) - u'(x)\right]^2 + K_{b2}\theta'^2(x) \right\} dx \frac{1}{2}\int_0^H K_{s1}\left[u'^2(x) + m\theta(x) - nw(x)\right]^2 dx.$

Equation 16 was incorrectly given as

$$u^{(6)}(x) - \left(\frac{K_{s2}}{K_{s1}+K_{s2}}\right)\frac{K_{s1}(K_{b1}+K_{b2})}{K_{b1}K_{b2}}u^{(4)}(x) - \left(\frac{K_{s2}}{K_{s1}+K_{s2}}\right)\frac{P(x)}{K_{b2}}\left[-\left(1+m^2\frac{K_{s1}}{K_{s2}}\right)u^{(4)}(x) + n^2\frac{K_{s1}}{K_{b1}}u''(x)\right] + \frac{f(x)}{K_{s1}+K_{s2}}\left[-u^{(6)}(x) + n^2\frac{K_{s1}}{K_{b1}}u^{(IV)}(x)\right] = 0$$

and should have read

$$u^{(6)}(x) - \left(\frac{K_{s2}}{K_{s1}+K_{s2}}\right)\frac{K_{s1}[(m+1)^2K_{b1}+n^2K_{b2}]}{K_{b1}K_{b2}}u^{(4)}(x) - \left(\frac{K_{s2}}{K_{s1}+K_{s2}}\right)\frac{P(x)}{K_{b2}}\left[-\left(1+m^2\frac{K_{s1}}{K_{s2}}\right)u^{(4)}(x) + n^2\frac{K_{s1}}{K_{b1}}u''(x)\right] + \frac{f(x)}{K_{s1}+K_{s2}}\left[-u^{(6)}(x) + n^2\frac{K_{s1}}{K_{b1}}u^{(IV)}(x)\right] = 0.$$

Equation 17 was incorrectly given as $V_{GSB} = \frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_{s1}[\theta(x) - \varphi(x)]^2 + K_{b2}\varphi'^2(x) + K_{s1}\left[\varphi(x) - u'(x)\right]^2 \right\} dx$ and should have read $V_{GSB} = \frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_{s1}[\theta(x) - \varphi(x)]^2 + K_{b2}\varphi'^2(x) + K_{s2}\left[\varphi(x) - u'(x)\right]^2 \right\} dx.$

In Eq. 38, to the left of the equals sign it read '$u(z)$' and it should have read '$u_{\mathrm{SWB}}(z)$'.

The original article can be found online at https://doi.org/10.1007/s42417-025-01812-x.

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In Eq. 48, to the left of the equals sign it read '$u(z)$and it should have read '$u_{\mathrm{GSB}}(z)$'.

The first inline equation in section 'Classical Continuous Model' was incorrectly given as $\frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_s\left[\theta(x) - u'(x)\right]^2 \right\} dx$ and should have read $\frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_{s1}\left[\theta(x) - u'(x)\right]^2 \right\} dx$.

The first inline equation in section 'Parallel Coupling of Two Timoshenko Beams (MSB)' was incorrectly given as $\frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_s\left[\theta(x) - u'(x)\right]^2 \right\} dx$ and should have read $\frac{1}{2}\int_0^H \left\{ K_{b1}\theta'^2(x) + K_{s1}\left[\theta(x) - u'(x)\right]^2 \right\} dx$.

The second inline equation in section 'Parallel Coupling of Two Timoshenko Beams (MSB)' was incorrectly given as $\frac{1}{2}\int_0^H \left\{ K_{b2}\varphi'^2(x) + K_s\left[\varphi(x) - u'(x)\right]^2 \right\} dx$ and should have read $\frac{1}{2}\int_0^H \left\{ K_{b2}\varphi'^2(x) + K_{s2}\left[\varphi(x) - u'(x)\right]^2 \right\} dx$.

The first inline equation in section 'Parallel Coupling of an Extensible Timoshenko Beam and a Shear Beam (GCTB)' was incorrectly given as $\frac{1}{2}\int_0^H \left\{ K_{b1}w'^2(x) + K_{s1}\left[\theta(x) - u'(x)\right]^2 + K_{b1}\theta'^2(x) \right\} dx$ and should have read $\frac{1}{2}\int_0^H \left\{ K_{b1}w'^2(x) + K_{s2}\left[\theta(x) - u'(x)\right]^2 + K_{b2}\theta'^2(x) \right\} dx$.

The second inline equation in section 'Parallel Coupling of an Extensible Timoshenko Beam and a Shear Beam (GCTB)' was incorrectly given as $\frac{1}{2}\int_0^H K_{s2}\left[u'(x) - m\theta(x) - nw(x)\right]^2 dx$ and should have read $\frac{1}{2}\int_0^H K_{s1}\left[u'(x) + m\theta(x) - nw(x)\right]^2 dx$.

Corrections in Declarations:

The Acknowledgements section was missing and should have read:

Acknowledgements The research presented in this document was made possible through the support of Jesus Christ. The author dedicates this work to his beautiful, intelligent, and beloved daughter, Zoé Juliette Pinto Pereira, with the hope that this modest scientific contribution may inspire her academic career: "So in everything, do to others what you would have them do to you, for this sums up the Law and the Prophets." (Matthew 7:12) "It is true that we all have knowledge. However, knowing everything maketh us proud. What is needed is love, which edifieth. He that thinketh he knoweth something knoweth nothing yet as he ought to know. But God knoweth who truly loveth Him." (1 Corinthians 8:1-3) "what is mankind that you are mindful of them, human beings that you care for them? You have made them a little lower than the angels and crowned them with glory and honor." (Psalm 8:4-5) "Yet a time is coming and has now come when the true worshipers will worship the Father in the Spirit and in truth, for they are the kind of worshipers the Father seeks." (John 4:23) "For from him and through him and for him are all things. To him be the gloryforever! Amen." (Romans 11:36).

The 'Author contribution' section was missing and should have read:

Author contribution Mao Cristian Pinto-Cruz: Responsible for everything (single author paper).

The original article has been corrected.

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