

Corrigendum

Corrigendum to “The influence of cross-order terms in interface mobilities for structure-borne sound source characterization: Frame-like structures” [J. Sound Vib. 319 (2009) 305–319]

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The above paper has the following errors:

- Page 307, Eq. (4):

$$\hat{F}_q = \frac{1}{C} \int_0^C \hat{F} \delta(s_0) e^{-jk_q s_0} ds_0 = \hat{F}$$

should be

$$\hat{F}_q = \frac{1}{C} \int_0^C \hat{F} \delta(s_0) e^{-jk_q s_0} ds_0 = \frac{\hat{F}}{C}.$$

- Page 307, line 17: \hat{F} should be \hat{F}/C .
- Page 307, Eq. (6):

$$\hat{v}_p = C \hat{F} \sum_{q=-\infty}^{\infty} \hat{Y}_{pq} \approx C \hat{F} \hat{Y}_{p-p}$$

should be

$$\hat{v}_p = \hat{F} \sum_{q=-\infty}^{\infty} \hat{Y}_{pq} \approx \hat{F} \hat{Y}_{p-p}.$$

- Page 307, Eq. (8):

$$Q = \frac{C^2 \hat{F}^2}{2} \sum_{p=-\infty}^{\infty} \sum_{q=-\infty}^{\infty} \hat{Y}_{pq} \approx \frac{C^2 \hat{F}^2}{2} \sum_{p=-\infty}^{\infty} \hat{Y}_{p-p}$$

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should be

$$Q = \frac{\hat{F}^2}{2} \sum_{p=-\infty}^{\infty} \sum_{q=-\infty}^{\infty} \hat{Y}_{pq} \approx \frac{\hat{F}^2}{2} \sum_{p=-\infty}^{\infty} \hat{Y}_{p-p}.$$

● Page 314, Eq. (12):

$$\hat{v}_{-2}/(C\hat{F}) = \hat{Y}_{-20} + \hat{Y}_{-2-1} + \hat{Y}_{-21} + \hat{Y}_{-2-2} + \hat{Y}_{-22} + \hat{Y}_{-2-3} + \dots$$

$$\hat{v}_0/(C\hat{F}) = \hat{Y}_{00} + \hat{Y}_{0-1} + \hat{Y}_{01} + \hat{Y}_{0-2} + \hat{Y}_{02} + \hat{Y}_{0-3} + \hat{Y}_{03} + \dots$$

$$\hat{v}_1/(C\hat{F}) = \hat{Y}_{10} + \hat{Y}_{1-1} + \hat{Y}_{11} + \hat{Y}_{1-2} + \hat{Y}_{12} + \hat{Y}_{1-3} + \hat{Y}_{13} + \dots$$

should be

$$\hat{v}_{-2}/\hat{F} = \hat{Y}_{-20} + \hat{Y}_{-2-1} + \hat{Y}_{-21} + \hat{Y}_{-2-2} + \hat{Y}_{-22} + \hat{Y}_{-2-3} + \dots$$

$$\hat{v}_0/\hat{F} = \hat{Y}_{00} + \hat{Y}_{0-1} + \hat{Y}_{01} + \hat{Y}_{0-2} + \hat{Y}_{02} + \hat{Y}_{0-3} + \hat{Y}_{03} + \dots$$

$$\hat{v}_1/\hat{F} = \hat{Y}_{10} + \hat{Y}_{1-1} + \hat{Y}_{11} + \hat{Y}_{1-2} + \hat{Y}_{12} + \hat{Y}_{1-3} + \hat{Y}_{13} + \dots$$