LETTER TO THE EDITOR


Yukio Iwaya, Yōichi Suzuki, and Toshio Sone
*Department of Electronic Engineering, Akita University,
1-1 Gakuen-cho, Tegata, Akita, 010 Japan
**Research Institute of Electrical Communication, Tohoku University,
2-1-1 Katahira, Aoba-ku, Sendai, 980 Japan
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After the authors received critical comments from Dr. Kamata, they surveyed and confirmed that a method for measuring vibration intensity with three sensors by disregarding one of two near-field components had already been proposed by Dr. Kamata et al.1-3 prior to the relevant paper.4)

The authors repent that they did not notice and accordingly could not refer to his papers.1-3)

The authors agree to his insistence that his method is mathematically equivalent to ours if the word "equivalent" means that the initial equation and the resultant solution are equal. However, the authors' way of measuring vibration is not numerically equivalent to his method. In authors' approach, Eq. (3) in the paper is used only to show that the third spatial derivative of a beam displacement can be replaced by the second order and the lower derivatives when any one of two near-field components is omitted, and hence Eq. (4) is obtained. With this relation, vibration intensity is given directly from the accelerations through three sensors and differences between them, in summary, the authors think that their paper still maintains some originality in the above respects.

References

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