



Correction to: Measurement of flow velocity vectors in carotid artery using plane wave imaging with repeated transmit sequence

Hideyuki Hasegawa¹ · Michiya Mozumi² · Masaaki Omura¹ · Ryo Nagaoka¹ · Kozue Saito³

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In the original publication of the article, the Eqs. 12 and 13 were published incorrectly. The correct equations are given in this correction.

The lateral and vertical velocities, $v_x(m_{\text{lat}}, m_{\text{ver}}; n_f)$ and $v_z(m_{\text{lat}}, m_{\text{ver}}; n_f)$, are expressed using the axial velocity $v_{\text{ax}}(m_{\text{lat}}, m_{\text{ver}}; \theta_l, n_f)$ as [13–15]

$$v_x(m_{\text{lat}}, m_{\text{ver}}; n_f) \sin \theta_l + v_z(m_{\text{lat}}, m_{\text{ver}}; n_f) \cos \theta_l = v_{\text{ax}}(m_{\text{lat}}, m_{\text{ver}}; \theta_l, n_f). \quad (12)$$

The relationship expressed by Eq. (12) is valid for each of the L steered beams and expressed in a matrix form:

$$\begin{bmatrix} \sin \theta_1 & \cos \theta_1 \\ \vdots & \vdots \\ \sin \theta_L & \cos \theta_L \end{bmatrix} \begin{bmatrix} v_x(m_{\text{lat}}, m_{\text{ver}}; n_f) \\ v_z(m_{\text{lat}}, m_{\text{ver}}; n_f) \end{bmatrix} = \begin{bmatrix} v_{\text{ax}}(m_{\text{lat}}, m_{\text{ver}}; \theta_1, n_f) \\ \vdots \\ v_{\text{ax}}(m_{\text{lat}}, m_{\text{ver}}; \theta_L, n_f) \end{bmatrix} \\ \Rightarrow \mathbf{A}\mathbf{v} = \mathbf{v}_{\text{ax}}. \quad (13)$$

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✉ Hideyuki Hasegawa
hasegawa@eng.u-toyama.ac.jp

¹ Faculty of Engineering, Academic Assembly, University of Toyama, 3190 Gofuku, Toyama 930-8555, Japan

² Graduate School of Science and Engineering for Education, University of Toyama, 3190 Gofuku, Toyama 930-8555, Japan

³ Department of Neurology, Nara Medical University, 840 Shijo-cho Kashihara, Nara 634-8522, Japan