

Erratum: “Reciprocity Theorems for Diffusion, Flow, and Waves” [Journal of Applied Mechanics, 2004, 71(1), pp. 145–150]

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Matrix \mathbf{C} defined in Appendices C and D is singular and hence expressions containing the inverse of \mathbf{C} cannot be used as such. The singularity is a consequence of the chosen organization of the matrix-vector differential equation in these appendices. The field vector \mathbf{u} contains nine stress components of which only six are independent. By removing the three redundant stress components from \mathbf{u} and reorganizing the matrix-vector equation accordingly, we obtain a matrix \mathbf{C} that is invertible. The redefined matrices $\mathbf{A}=\mathbf{C}^{-1}\overline{\mathbf{A}}$ and $\mathbf{B}=\mathbf{C}^{-1}\overline{\mathbf{B}}$ in Appendices C and D obey symmetry relations (9) and (13) in the body of the paper. Hence, the unified reciprocity theorems (12) and (14) are valid for the modified matrix-vector differential equation in these appendices. Explicit

expressions for the modified matrices and vectors can be found at http://geodus1.ta.tudelft.nl/PrivatePages/C.P.A.Wapenaar/4_Journals/J.Appl.Mech/AppM_04.pdf.

We take this opportunity to indicate some printing errors in the paper. The tildes below \mathbf{A} and \mathbf{u} in Eq. (1) should be removed. Circumflexes should be added above all vectors \mathbf{u} and \mathbf{s} in Eqs. (10) and (11). A right-bracket] should be inserted after the first $\hat{\mathbf{u}}_B$ at the right-hand side of Eq. (10). Right-parentheses) should be inserted after $\hat{\mathbf{u}}_A$ at the left-hand side of Eq. (11) and after the first $\hat{\mathbf{u}}_B$ at the right-hand side of Eq. (11).

We thank Stefan Stijlen for bringing the singularity of matrix \mathbf{C} to our attention.