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## Author Correction: Effect of compressibility and non-uniformity in flow on the scattering pattern of acoustic cloak

Hyeonbin Ryo  & Wonju JeonCorrection to: *Scientific Reports* <https://doi.org/10.1038/s41598-017-02143-y>, published online 18 May 2017

This Article contains typographical errors in the Supplementary Information file.

In Equation S1,

$$\frac{D\rho}{Dt} + \nabla \cdot (\rho \mathbf{u}) = 0,$$

should read:

$$\frac{D\rho}{Dt} + \rho \nabla \cdot \mathbf{u} = 0,$$

In Equation S8,

$$\frac{D_0 \mathbf{u}'}{D_0 t} + (\mathbf{u}' \cdot \nabla) \mathbf{u}_0 + \frac{\rho'}{\rho_0} \nabla p_0 + \frac{1}{\rho_0} \nabla p' = 0,$$

should read:

$$\frac{D_0 \mathbf{u}'}{D_0 t} + (\mathbf{u}' \cdot \nabla) \mathbf{u}_0 - \frac{\rho'}{\rho_0} \nabla p_0 + \frac{1}{\rho_0} \nabla p' = 0,$$

In Equation S13,

$$\frac{D_0 \mathbf{u}'}{D_0 t} + \frac{1}{\rho_0} \nabla p' = -(\mathbf{u}' \cdot \nabla) \mathbf{u}_0 - \frac{\rho'}{\rho_0} \nabla p_0.$$

should read:

$$\frac{D_0 \mathbf{u}'}{D_0 t} + \frac{1}{\rho_0} \nabla p' = -(\mathbf{u}' \cdot \nabla) \mathbf{u}_0 + \frac{\rho'}{\rho_0} \nabla p_0.$$

And finally,

'By using equation (S5),  $\nabla p_0 / \rho_0$  in the second term on RHS of equation (S13) is replaced by  $(\mathbf{u}_0 \cdot \nabla) \mathbf{u}_0$ ,

Should read:

'By using equation (S5),  $\nabla p_0 / \rho_0$  in the second term on RHS of equation (S13) is replaced by  $-(\mathbf{u}_0 \cdot \nabla) \mathbf{u}_0$ ,Department of Mechanical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, 34141, Korea. Correspondence and requests for materials should be addressed to W.J. (email: [wonju.jeon@kaist.ac.kr](mailto:wonju.jeon@kaist.ac.kr))



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