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Erratum to "Simultaneous effects of magnetic field and space porosity on compressible Maxwell fluid transport induced by a surface acoustic wave in a microchannel"

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We would like to acknowledge the misprinted terms in our published paper "Simultaneous effects of magnetic field and space porosity on compressible Maxwell fluid transport induced by a surface acoustic wave in a microchannel" [*Chin. Phys. B* **22** 124702 (2013)]. Since only two misprints exist and the main results of the published paper are correct, we present the correct equations in this erratum.

Keywords: peristaltic flow, Maxwell fluid, porous medium, slip flow, microchannel

PACS: 99.10.–x, 47.40.–x, 47.45.Gx, 47.56.+r **DOI:** 10.1088/1674-1056/ac2252

1) Equations (8) and (9) in Ref. [1] should be replaced with
$\frac{\mu}{3}\left(1+\tau\frac{\partial}{\partial t}\right)\frac{\partial}{\partial x}\left(\frac{\partial u}{\partial x}+\frac{\partial v}{\partial y}\right)$ and $\frac{\mu}{3}\left(1+\tau\frac{\partial}{\partial t}\right)\frac{\partial}{\partial y}\left(\frac{\partial u}{\partial x}+\frac{\partial v}{\partial y}\right)$, respectively.
This correction makes all terms in both equations have the same units.

2) Equation (5) in Ref. [1] should be replaced with $\frac{1}{\rho}\frac{\partial \rho}{\partial p}=k_{\mathrm{c}}$ as in Ref. [2], where k_{c} is the compressibility of the fluid, ρ is the fluid density, and p is the pressure. Its solution is $\rho=\rho_0\exp(k_{\mathrm{c}}(p-p_{\mathrm{c}})$, as pointed out in Eq. (6) in Ref. [1].

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References

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[2] Aarts A C T and Ooms G 1998 *J. Eng. Math.* **34** 435

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