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U. S. Mahabaleshwar, G. P. Vanitha, L. M. Pérez, Emad H. Aly, and I. Pop

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CORRIGENDUM

Corrigendum to "Exact solutions for magnetohydrodynamic nanofluids flow and heat transfer over a permeable axisymmetric radially stretching/shrinking sheet"

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This corrigendum is for the published paper "Exact solutions for magnetohydrodynamic nanofluids flow and heat transfer over a permeable axisymmetric radially stretching/shrinking sheet" by U. S. Mahabaleshwar, G. P. Vanitha, L. M. Pérez, Emad H. Aly, and I. Pop [*Chin. Phys. B* **33** 020204 (2024)].

Keywords: MHD, nanofluid, axisymmetric flow, stretching/shrinking sheet, suction/injection, analytical solution

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1. Corrigendum

1.1. Viscosity unit in Table 1

In Table 1,[1] the unit of dynamic viscosity was incorrectly presented. The correct SI unit is μ (kg·m^{-1}·s^{-1}), instead of the unit reported in the published version.

1.2. Prandtl number definition

Below Eq. (10b), the definition of the Prandtl number contains a typographical error. The correct definition is $Pr = \mu C_{\rm p}/\kappa$.

All calculations in the paper[1] were performed using the correct formulation; therefore, the reported results remain unchanged.

1.3. Magnetic parameter expression

The magnetic parameter was incorrectly printed in the article.[1] The right expression is $M = \frac{\sigma B_0^2}{\rho a r^2}$.

This is typographical only and does not alter any computations or conclusions.

1.4. Figure 6 caption

The caption of Figure 6[1] should read: "Impact of solid volume fraction parameter on (a) the velocity profile and (b) the energy profile for different values of the magnetic field parameter."

1.5. Figure labelling

A radiation parameter ($N_{\rm r}$) was inadvertently included in one of the figure labels. Since radiation effects were not considered in the mathematical model, the appearance of ($N_{\rm r}$) is a labelling error and should be disregarded.

1.6. Clarification regarding material properties listed in Table 1

The material-property table contains values adopted from previously published references cited in the original article. These values were used consistently throughout the analysis. Their inclusion does not affect the analytical development or the conclusions reported in the paper.

2. Conclusion

The above typos do not affect the physical conclusions/results in the paper.[1]

References

[1] Mahabaleshwar U S, Vanitha G P, Pérez L M, Aly E H and Pop I 2024 *Chin. Phys. B* **33** 020204

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