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CORRECTION

Correction to: Effects of variable viscosity and rotation modulation on ferroconvection

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In the original publication of the article, the nomenclature of Greek symbols, Latin symbols, subscripts and superscripts was incorrectly published. The corrected nomenclature is given in this Correction article. The original article has been corrected.

Nomenclature

Greek Symbols

α	Thermal expansion coefficient
χ	Thermal diffusivity
χ_m	Magnetic susceptibility
ΔT	Temperature difference
δ	Amplitude of modulation
δ_T, δ_H	Small positive constants
κ	Thermal conductivity
μ	Viscosity of the ferrofluid
$\mu(H,T)$	Variable viscosity
∇^2	Two dimensional Laplacain operator $\left(=\frac{\partial^2}{\partial x^2}+\frac{\partial^2}{\partial z^2}\right)$
ω	Frequency of modulation
ϕ	Magnetic potential
ψ	Stream function
ρ	Density of the ferrofluid
$\vec{\Omega}$	Speed of rotation
ς	Vorticity

Latin Symbols

$\hat{k}$	Unit vector in the z direction
$\mathcal{A}$	Area under the curve
$\vec{B}$	Magnetic induction
$\vec{g}=(0,0,-g)$	Gravitational acceleration (ms^{-2})
$\vec{H}$	Magnetic field
$\vec{M}$	Magneization
$\vec{q}=(u,0,w)$	Velocity vector
$A_1(t), A_2(t) \ldots A_7(t)$	Amplitudes of convection
C_{VH}	Specific heat at constant volume and magnetic field ($J\,kg^{-1}\,K^{-1}$)
d	Depth of the horizontal plates (m)
H_0	Applied uniform vertical magnetic field
h_1, h_2	Jacobian terms
J	Jacobian of a matrix
k	Wave number
K_1	Pyromagnetic coefficient
L	Operator
M_0	Mean value of magnetization at $H=H_0$ and $T=T_0$
M_1	Buoyancy magnetization number
M_3	Non-buoyancy magnetization number
Nu	Nusselt number
p	Pressure
Pr	Prandtl number
R	Rayleigh number
$r(\omega,t)$	Time dependent modulated rotation
S	Region of interest
T	Temperature
t	Time
Ta	Taylor number
u, ω	Components of velocity along x and z directions respectively
V	Variable viscosity parameter
W_{j}	Operator (where $j=0, 1, 2$)

The original article can be found online at https://doi.org/10.1007/s10973-021-10820-4.

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Subscripts

0 At reference value
b Basic state
c Critical
SqW Square wave
STW Sawtooth wave
SW Sinusoidal wave
TW Triangular wave