



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_50124
Title of the Manuscript:	Modelling the effect of Hartmann Number on Transient period, Viscous dissipation and Joule heating in a Transient MHD flow over a flat plate moving at a constant velocity
Type of the Article	ORIGINAL RESEARCH

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>1) I have done some indications for corrections along the text. They are marked for acceptance.</p> <p>2) Put the correspondent units of the variables at the Nomenclature</p> <p>3) I have done corrections at the Equations. The Eq. (4) is corrected only for $t_0 = L^2 / \nu$. So, the definition of the Hartmann number presented by the authors is wrong. The correct definition must be $H^2 = \frac{\sigma B^2 L^2}{\mu}$ as written by me at Eq. (3). The correct Eq. (4) should be: $\frac{\partial u^*}{\partial t^*} = \frac{\partial^2 u^*}{\partial y^{*2}} - t_0 \sigma \frac{B^2 u^*}{\rho}$.</p> <p>4) The Legends at Figures 3 and 4 is really H? Because H is the abscissa axis. The curves must be for some other fixed parameter. What is this parameter?</p>	<p>(1) Corrections have been done accordingly</p> <p>(2) Corresponding units have been put</p> <p>(3) The definition of dimensionless variables has been revised as follows:</p> $(i) \quad t^* = \frac{tU^2}{\nu} \quad (ii) \quad y^* = \frac{yU}{\nu}$ <p>After this corrections, eq. (4) remains as it is in the original paper i.e.</p> $\frac{\partial u^*}{\partial t^*} = \frac{\partial^2 u^*}{\partial y^{*2}} - \sigma \frac{B^2 u^*}{\rho}$ <p>but not as suggested by the reviewer. The definition of $H^2 = \frac{\sigma B^2 \nu}{\rho U^2}$ is also correct.</p> <p>(4) The abscissa axis has been changed to y. The reviewer's observation was correct for that matter.</p>
Minor REVISION comments		Done as directed by the reviewer
Optional/General comments		The reviewer's comments and observations were relevant and very valuable.



SDI Review Form 1.6

±
PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	