



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	2014_PSIJ_10134
Title of the Manuscript:	<b>Magneto-thermal Instability of Rotating Partially Ionized Hall Plasma Flowing Through Porous Medium</b>
Type of the Article	<b>Original Research Article</b>

**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.

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**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)
<b>Compulsory</b> REVISION comments	No	
<b>Minor</b> REVISION comments	<p>1- line 92 <math>H(0,0,H)</math> this means the magnetic in the <math>z</math> – axis. While , in line 632, the authors represent that the magnetic field is oblique (plasma permeated by an oblique magnetic field)</p> <p>2- Line 95: in the system of eqs. 1-8, <math>u_0 = 0</math> .</p> <p>3- Line 107: <math>\gamma</math> is adiabatic index ( does not include previous Eqs., the same case in line 250, <math>\gamma</math> unknown ) . While <math>\gamma</math> does not define after eqs. 1-8 and the symbols. Also, define <math>k_1</math> after eqs. 1-8</p> <p>4-Line 174: what do you means by <math>v_c</math> .</p> <p>5- line 398: This dispersion relation (43) shows the..... <b>must be:</b> Ths dispersion relation (45) shows the</p> <p>6- Line 432 : In Eq. (50) the term <math>\left[ \right]^1_2</math> not clear also line 443 Eq. (52).</p> $\sqrt{-}$	<p>Respected Sir</p> <p>Thanks for positive reply on my paper. Paper is corrected as per your comments.</p> <ol style="list-style-type: none"> <li>1. This contradictory point is removed, because this study does not include oblique magnetic field.</li> <li>2. For steady motion <math>u_0 = 0</math></li> <li>3. Font corrections are corrected.</li> <li>4. Defined</li> <li>5. Corrected</li> <li>6. The last term of (49) is the quadratic in <math>k^2</math> then the root can be written by very common formula.</li> </ol> <p>Rest all corrections are done</p> <p>Hoping for positive comments and acceptance</p> <p>Best Regards V. Shrivastava</p>



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	<p>7-After the dimensionless quantities (Line 452-455) the authors must introduce the new formula of Eq. (47) by the dimensionless quantities.</p> <p>8- Line 457, taking (... not clear) = <math>5/3</math>.</p> <p>9- Line 458.... are shown in fig 1-7 must be (Figs 1-7).</p> <p>10- Lines 497-498 what do you means by “The thermal conductivity shows a reciprocal effect on the growth rate of instability”?</p> <p>11- In Fig. 5 <math>v_c</math> must be <math>v_c^*</math> inside the figure</p> <p>12- In Fig. 6 and Fig. 7, the authors use the symbols <math>\Lambda_\tau</math> and <math>\Lambda_p</math> inside the figures that different in the texts.</p> <p>13-Line 532 while the last factor is the seventh degree polynomial equation from.... Where this Eq.? do you means Eq. (21) (is the eight degree polynomial equation).</p> <p>14-Line 608 The effect of magnetic field comes through the term <math>V^2 k^2 B</math>. is enough.</p> <p>15- Line 613 For this condition, first two modes of propagation is similar the two modes (48) and (19) (not correct ) where Eq. (19) is the condition of instability of</p>	
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	<p>Eq. (47)</p> <p>16- Line 658 From the ....instability presented in fig 1-6, must be ...in Figs 1-7</p> <p>17- Line 681 – Ref. 17. Bora MP. Talwar SP. J. Plasma Phys. 1995;54(2):157, must be Talwar SP. Bora MP. J. Plasma Phys. 1995;54(2):157</p>	
<b><u>Optional/General</u></b> comments		