



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_10134
Title of the Manuscript:	Magneto-thermal Instability of Rotating Partially Ionized Hall Plasma Flowing Through Porous Medium
Type of the Article	Original Research Article

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)
Compulsory REVISION comments	No	
Minor REVISION comments	<p>1- line 92 $H(0,0,H)$ this means the magnetic in the z – 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, $u_0 = 0$.</p> <p>3- Line 107: γ is adiabatic index (does not include previous Eqs., the same case in line 250, γ unknown) . While γ does not define after eqs. 1-8 and the symbols. Also, define k_1 after eqs. 1-8</p> <p>4-Line 174: what do you means by v_c .</p> <p>5- line 398: This dispersion relation (43) shows the..... must be: Ths dispersion relation (45) shows the $\sqrt{\quad}$</p> <p>6- Line 432 : In Eq. (50) the term $\left[\quad \right]^1_2$ not clear also line 443 Eq. (52).</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) = $5/3$.</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 v_c must be v_c^* inside the figure</p> <p>12- In Fig. 6 and Fig. 7, the authors use the symbols Λ_τ and Λ_p 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 $V^2 k^2 B$. 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 theinstability 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>
<u>Optional/General</u> comments	

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