

1. Author should explain in details-

c. How the present results are significantly different from previous work?

In this work all the terms, which rises in the system of Eq. (10) –(11) will be considered, while in the previous work the higher derivatives are neglected. Also in this study the space layer is located under the influence of a horizontal magnetic field. These observations recorded at the end of page 4 and the beginning of page 5. (Before the head 2. Governing equations and linear perturbations) that was as follows

In this paper, the classical RTI model in refs. (12, 13) will be again studied in quantum plasmas. The surface of discontinuity ( $z=0$ ) has considered between infinitely conducting plasma in the half-space  $z<0$  and a vacuum in the other half-space  $z>0$ , that has been permeated by a uniform horizontal magnetic field ( $\vec{B}_0 = B_0 \vec{e}_x$ ). Here, we use a system of Cartesian coordinates, where  $z$  –axis in the vertical direction. A gravitational acceleration  $\vec{g} = (0, 0, g)$  directed from the plasma towards the vacuum. In all the above studies (19-22), the perturbation was very slow. So, the higher derivatives that rise in the system considerable are neglected. In our analysis the perturbation will be superabundant (high-speed), such that the system cannot return to the initial case (i. e. The system will remain in a permanent disturbance case). Thus all the terms, which will rise in the linearized equations, will be considered.

4. Some notification used without its definition, like  $\sigma$  and  $k$ . Author should explain ‘

$\rho$  is the density,  $p$  thermal pressure,  $g$  is the gravitational acceleration’ of what?

They defined in the end page 5.

In addition with-

1. Author may not define  $q_I$  again after Eq. (47) as it has already done in Eq. (43).

$q_i$  is deleted after Eq. (47).

2. Definition of  $m_e$  and  $m_i$  in Eq. (14) also missing.

$m_e$  and  $m_i$  are defined in page 6 (line 1).