

## عنوان مقاله:

Calculate the frequency of the electromagnetic wave wall flow of Magma

## محل انتشار:

دومین کنگره بین المللی زمین شناسی کاربردی (سال: 1394)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

In this paper, the fluid of cylindrical column magma is intended to upwards, and it is the MHD environment, that is located the in the Earth's magnetic field. Our desired fluid MHD, Newton flow is compressibility the fluid equations, equations of momentum, energy and Maxwell's equations, under new conditions there is for its. For a point on the surface of the a cylindrical duct, and for a molecule with respect to the variable density of charge, we gain polarization. By calculating the changes in density charge and whit having relation polarization for a molecule Mg,Sio, that abundance is greaterthan other molecules in the magma. Change density of charge calculated. With the help of Maxwell's equations we gain electric and magnetic fields resulting from these changes. Computation is obtained analytically in the cylindrical device by applying the assumptions. During computation can be obtained energy equation momentum of equation of state fluid magma. Calculate the Poynting vector shows that this wave is created published to out. Dispersion equation shows how changes these waves. Finally be calculated power radiation .electromagnetic wave

## کلمات کلیدی:

Magma, fluid, Power radiation, the charge density changes

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/532265>

