

ABSTRACT

Alven wave has been widely discussed and studied in plasma physics . However , not much study has been on propagation of Alven wave in dusty plasma . In this problem , an effect has been made to study the property of Alven wave in dusty plasma consisting of dust grains , electrons ions and neutral particles . The normal mode analysis has been done and governed dispersion relation is derived . The effect of various dust parameters on propagation of Alven wave is investigated