Alfven mode dispersion relation in the WNM phase

$n_{\mathrm{tot}} = 0.2 \ \mathrm{cm}^{-3}$ - $B = $ 5e-06 $\mu\mathrm{G}$ - $T = $ 6000 K - $\mathrm{grad}(P_{\mathrm{CR}}) = $ 1e-29 $\mathrm{erg \ cm}^{-4}$