THE SMALL PITCH ANGLE SCATTERING IN THE SECOND ORDER APPROXIMATION

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The diffusive particle propagation and its pitch angle scatteringis studied using kinetic equation of the Fokker - Planck form.Due to existence of the strong regular magnetic field (MF) theparticles are preferable propagated along the mean MF directionand undergo the pitch angle scattering with respect to it.The paper deals with solution of the equation in the second orderapproximation in the pitch angle, $\frac{1}{t} = \frac{1}{t} + \frac{1}{$