

for the magnetic length $\xi = \sqrt{\hbar / 2eB}$. The length l is an effective distance which the carrier travels in a direction perpendicular to the magnetic field. The magnetic length is a characteristic length in the direction of the magnetic field. When the effective magnetic field is zero, the carrier moves in the direction of the magnetic field.

We calculate the interaction of the carrier with the impurity potential $V(\mathbf{r})$ in the effective magnetic field. We consider the behavior of the interaction in the limit of a strong magnetic field. The interaction M is given by the matrix element $M = \langle \psi | V | \psi \rangle$, where M is the matrix element of the interaction V in the effective magnetic field.

$$\vec{J}' = \frac{I}{2\pi D} F' H' - t_L H' + t_L + D, -'$$

$$- H' - t_L - ' H' + t_L + D,$$

$$- \frac{I}{\pi} H' H$$

in a angle $\psi_0=90^\circ$. The angle between the axial
direction of a a electric field and the direction of
the electric field for each case. The electric field E , ϕ
is calculated by taking the direction of the field mag-
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Thi n d i c e

$$\vec{r}' = \frac{\vec{r}}{\gamma}, \quad \vec{r}'_{\perp} = \frac{1}{\gamma} \left(\vec{r}_{\perp} - \frac{2\pi}{\omega} \dot{\vec{r}}_{\perp} \right), \quad \phi' = \phi - \beta \left(\frac{z}{c} - t \right) \quad (A2)$$

(A2)

where the helical angle of the helical line is defined as $\theta = \arctan(\beta)$. The total helical angle is

$$\theta^* = \theta_{\perp} + \theta_{\parallel} = \theta + \beta, \quad \vec{r}'_{\perp} = \vec{r}_{\perp} - \beta \vec{r}_{\parallel} \quad (A3)$$

(A3)

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For a dipole field of the form $\vec{r}' = r' \hat{e}_r$, the dipole moment is $\vec{p} = p \hat{e}_r$. The dipole moment is $\vec{p} = p \hat{e}_r$. The dipole moment is $\vec{p} = p \hat{e}_r$.

$$\omega^2 = \eta^2 + \beta^2 c^2 \theta - \theta^2 - c^2 \theta^2 \times \eta^2 + \beta^2 c^2 \theta - \theta^2 - c^2 2\theta, \quad (A4)$$

(A4)

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We find that the helical angle of the helical line is $\theta = \arctan(\beta)$. The helical angle of the helical line is $\theta = \arctan(\beta)$. The helical angle of the helical line is $\theta = \arctan(\beta)$.

$$= -1/2 \left(\frac{1}{2} \right) + \dots - 1/2 + \frac{1}{2} - \dots + \dots \times c \, h \left(\frac{- + 1/2}{c \, h} \right)$$

$$\vec{r}_\perp = \frac{2\pi}{0} \frac{1}{0} \frac{a \sqrt{R} \vec{r}'_\perp - a(1 + \sqrt{R}) \vec{r}_\perp}{\sqrt{R}} \vec{r}'_\perp, \phi'$$

$$+ a4E^2 \vec{r}'_\perp + \frac{a}{\vec{r}'_\perp} \frac{2\pi}{0} \frac{1}{0} \frac{a \sqrt{R} \vec{r}'_\perp}{\sqrt{R}},$$

$$\vec{r}'_\perp = \vec{r}_\perp', \phi', \tau, \vec{r}_\perp = \vec{r}_\perp, \phi, \tau,$$

here $4E^2 = \frac{2\pi}{0} \frac{1}{0} \frac{a \sqrt{R}}{\sqrt{R}} \vec{r}'_\perp \cdot \phi'$ and E is the characteristic elliptical integral of the second kind.