$$\frac{d\vec{S}}{dt} = \vec{S} \times (\vec{\Omega}_{MDM} + \vec{\Omega}_{EDM}), \qquad 0 \qquad (1.1a)$$

$$\vec{\Omega}_{MDM} = \frac{q}{m\gamma} \left[(\gamma G + 1) \vec{B}_{\perp} + (1 + G) \vec{B}_{\parallel} - \gamma \left(G + \frac{1}{\gamma + 1} \right) \frac{\vec{\beta} \times \vec{E}}{c} \right], \qquad (1.1b)$$

$$\vec{\Delta} \vec{S} = \frac{4}{m\gamma} \left((\gamma G + 1) \left[\vec{S}, \vec{B}_{\perp} \right] \right] \qquad \vec{B}_{\perp} \qquad (X, S, \gamma)$$

$$\vec{B}_{\perp} = \{ 0, 0, B_{\beta} \} \qquad \vec{X}$$
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$$\vec{S} = \{ 0, 0, S_{\beta} \} \qquad \vec{X}$$

$$\vec{S} = \{ 0, 0, S_{\gamma} \} \qquad \vec{S} = \{ 0, S_{\gamma} \} \qquad \vec{$$

=
$$\frac{4}{mr}$$
 (r^{g} +1) (\bar{r}_{x} Ss By + 0 + 0)

 $\bar{d}S = \omega \bar{r}_{x}$ Ss

 $\bar{d}t = \omega \bar{r}_{x}$ Ss

 $\bar{d}t = \omega \bar{r}_{x}$ Ss

 \bar{r}_{y}
 \bar{r}_{y}