$\left[ -\left(\frac{1}{2m_am_bc^2}\right)(\mathbf{p}_a\cdot\mathbf{p}_b)\right] - e_a\sum_{b\neq a}\frac{3e_b\hat{\mathbf{n}}_{ab}}{2m_am_bc^2R_{ab}^2}\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right)(\mathbf{p}_b\cdot\hat{\mathbf{n}}_{ab}) + \frac{1}{2m_am_bc^2R_{ab}^2}\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right)\left(\mathbf{p}_b\cdot\hat{\mathbf{n}}_{ab}\right) + \frac{1}{2m_am_bc^2R_{ab}^2}\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right)\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right) + \frac{1}{2m_am_bc^2R_{ab}^2}\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right)\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right) + \frac{1}{2m_am_bc^2R_{ab}^2}\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right) + \frac{1}{2m_bc^2R_a}\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right) + \frac{1}{2m_bc^2R_a}\left(\mathbf{p}_a\cdot\hat{\mathbf{n}}_{ab}\right)$ 

 $\sum_{b \neq a} \frac{e_b}{2m_a m_b c^2 R_{ab}^2} \left[ \mathbf{p}_a \left( \mathbf{p}_b \cdot \hat{\mathbf{n}}_{ab} \right) + \mathbf{p}_b \left( \mathbf{p}_a \cdot \hat{\mathbf{n}}_{ab} \right) \right] + \left( \frac{e_a}{m_a c^2} \right) \frac{(\mathbf{p}_a \times \mathbf{m})}{x_a^3} - \left( \frac{3e_a}{m_a c^2} \right) \left[ \mathbf{p}_a \cdot (\mathbf{m} \times \mathbf{x}_a) \right] \frac{\mathbf{x}_a}{x_a^5}$