$$rot \left[\vec{A} \times \vec{B} \right] = \left(\vec{B} \cdot \vec{\nabla} \right) \vec{A} - \left(\vec{A} \cdot \vec{\nabla} \right) \vec{B} + \vec{A} \operatorname{div} \vec{B} - \vec{B} \operatorname{div} \vec{A}$$

$$\vec{B} = rot \left(\vec{p}_{m} \times \frac{\vec{r}}{r^{3}} \right) = -\left(\vec{p}_{m} \cdot \vec{\nabla} \right) \frac{\vec{r}}{r^{3}} = \frac{3 \left(\vec{p}_{m} \cdot \vec{r} \right) \vec{r}}{r^{5}} - \frac{\vec{p}_{m}}{r^{3}}.$$

$$\vec{A} = \vec{P}_{m} \qquad \vec{B} = \vec{T}_{3} \qquad \vec{P}_{m} = \operatorname{const} = \operatorname{const} \qquad \vec{P}_{m} = \operatorname{const} = \operatorname{const} \qquad \vec{P}_{m} = \operatorname{const} =$$