$$\mathbb{B} = -\alpha(\mathbb{i} + \mathbb{j} + \mathbb{k})$$

$$\mathbb{E} = \frac{1}{\varepsilon}\left[3(x^1\mathbb{i} + x^2\mathbb{j} + x^3\mathbb{k}) - (x^1 + x^2 + x^3)(\mathbb{i} + \mathbb{j} + \mathbb{k})\right]$$

$$\mathbb{n} = \frac{1}{\sqrt{3}}(\mathbb{i} + \mathbb{j} + \mathbb{k}), \quad \mathbb{r} = x^1\mathbb{i} + x^2\mathbb{j} + x^3\mathbb{k}$$

$$\mathbb{B} = -\sqrt{3}\,\alpha\,\mathbb{n}\ , \qquad \mathbb{E} = \frac{3}{\varepsilon}\left[\mathbb{r} - (\mathbb{n}\cdot\mathbb{r})\mathbb{n}\right]$$

以下の運動に、$\mathbb{k}$を$\mathbb{n}$に重ねる回転、を施して得られる運動。

$$\begin{cases} x^1(\tau) = a\ \exp\left(\pm\dfrac{3}{2\varepsilon\alpha}\tau\right)\cos\left(-\dfrac{\sqrt{3}}{2\varepsilon\alpha}\tau\right) \\ \qquad\qquad \text{一致} \\ x^2(\tau) = a\ \exp\left(\pm\dfrac{3}{2\varepsilon\alpha}\tau\right)\sin\left(-\dfrac{\sqrt{3}}{2\varepsilon\alpha}\tau\right) \\ x^3(\tau) = b\tau + C \end{cases}$$