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[1].

$$\check{S}(t) = (a \cos(kt + \mathbb{E}), -a \sin(kt + \mathbb{E}), \check{S}_{30})$$

$$a = \sqrt{\check{S}_{10}^2 + \check{S}_{20}^2}$$

$$k = (1 + \langle) \check{S}_{30}, \quad \mathbb{E} = -\text{arctg}\left(\frac{\check{S}_{20}}{\check{S}_{10}}\right), \quad \check{S}_{10} = \check{S}_2(0), \check{S}_{20} = \check{S}_2(0), \check{S}_{30} = \check{S}_3(0), \quad I_1 = I_2 > I_3,$$

$$\langle = I_3 / I_1, \quad I_1, I_2, I_3$$

$$\Delta t = \text{const} :$$

$$\Theta_{ni}^* = \int_{t_n - \Delta t}^{t_n} \check{S}_i(\ddagger) d\ddagger, \quad i = 1, 2, 3 \quad (1)$$

[2]

$$[0, \Delta t] () :$$

$$\Delta \Lambda_n = (\cos r_1 \cos r_2 - R \sin r_1 \sin r_2; r_1 \sin r_2 \Theta_{n1}^* / (2r_2 \sin r_1); r_1 \sin r_2 \Theta_{n2}^* / (2r_2 \sin r_1); \sin r_1 \cos r_2 + R \cos r_1 \sin r_2);$$

$$R = \langle \Theta_{n3} / (2r_2), \quad r_1 = (1 - \langle) \Theta_{n3} / 2, \quad r_2 = \sqrt{r_1^2 (\Theta_{n1}^{*2} + \Theta_{n2}^{*2}) / \sin^2 r_1 + \langle^2 \Theta_{n3}^2} / 2,$$

$$[1] \quad \Lambda_n = \Lambda_{n-1} \circ \Delta \Lambda_n$$

t_n ,

$$\Lambda_n = \Lambda(t_n), \Lambda_{n-1} = \Lambda(t_{n-1}), \Delta \Lambda_n = \Delta \Lambda(t_n)$$

$$\Theta_{ni}^*, \quad i = 1, 2, 3,$$

$$O(\Theta_n^{*3}),$$

$$\Delta \Lambda_n = (\Delta \Lambda_{n0}, \Delta \Lambda_{n1}, \Delta \Lambda_{n2}, \Delta \Lambda_{n3}) :$$

$$\Delta \Lambda_{n0} = 1 - \Theta_n^{*2} / 8,$$

$$\Delta \Lambda_{n1} = \Theta_{n1}^* (1 - \Theta_n^{*2} / 24 + (1 - \langle) \Theta_{n3}^{*2} / 12) / 2, \quad (2)$$

$$\Delta \Lambda_{n2} = \Theta_{n2}^* (1 - \Theta_n^{*2} / 24 + (1 - \langle) \Theta_{n3}^{*2} / 12) / 2,$$

$$\Delta \Lambda_{n3} = \Theta_{n3}^* / 2 - \Theta_{n3}^* \Theta_n^{*2} (3 - 2\langle) / 48 + \Theta_{n3}^{*3} (1 - \langle) / 24,$$

$$\Theta_n^{*2} = \Theta_{n1}^{*2} + \Theta_{n2}^{*2} + \Theta_{n3}^{*2}, \quad (2)$$

$$3- \quad 1- \quad 2- \quad , \quad (2)$$

[1]

$$O^*(\Theta_n^{*3}) -$$

$$(2), \quad < \quad <$$

$$(1).$$

$$(2)$$

$$t_n^2 = \|\Delta\Lambda_n\|^2 - 1 \quad [1].$$

$$t_n^2 = \Theta_n^{*4} / 64 - (\Theta_{n1}^{*2} + \Theta_{n2}^{*2})(\Theta_n^{*2} / 2 - (1-\langle)\Theta_{n3}^{*2}) / 24 - \Theta_n^{*2}\Theta_{n3}^{*2}(3-2\langle) / 48 + \Theta_{n3}^{*4}(1-\langle) / 24 \quad (2)$$

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