

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

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

[1]

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

$$(2),$$

$$(1).$$

$$(2)$$

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

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

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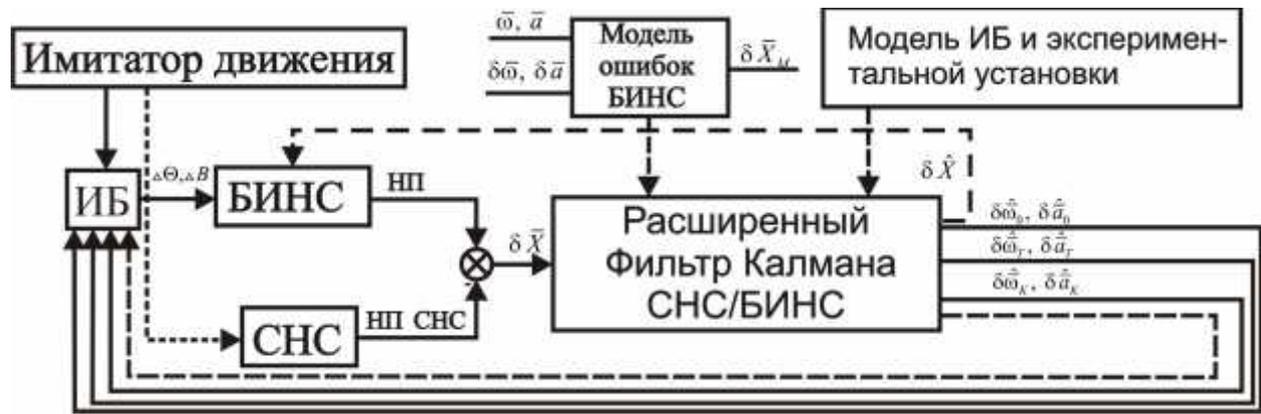
$$(\quad)$$

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$$p(x, y, t) = \text{aprg} \left[1 - \frac{v^2(t)}{v_0^2} e^{\delta t} \right] F(x, y, t) \quad v(t) = v_0 \left[1 - \frac{t}{t_1} - \frac{S}{2f} \sin \left(\frac{2ft}{t_1} \right) \right].$$