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1.

($\alpha_1, \alpha_2, \alpha_3, \alpha_4$).

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$$\Delta(m, , i, t, r) \rightarrow \Delta I, \quad \Delta m, \Delta , \Delta i, \Delta t, \Delta r, - \\ ; \Delta I -$$

1.

1	(R ⁿ)	I{f: R ⁿ → R ⁿ }, I{f: R ⁿ → m}, I{f: R ⁿ → E}, I{f: R ⁿ → t}
2	(t)	I{f: t → t}, I{f: t → m}, I{f: t → E}, I{f: t → R ⁿ }
3	(m)	I{f: m → E}, I{f: m → R ⁿ }, I{f: m → t}, I{f: m → m}
4	()	I{f: E → m}, I{f: E → R ⁿ }, I{f: E → t}, I{f: E → E}
5	(I)	I{f: I → I}, I{f: I → m}, I{f: I → E}, I{f: I → t}

$$, \quad =299792458 \\ / , (\quad); h=6,626075 \cdot 10(-34) \quad , (\quad); G=6,67259 \cdot 10(-11) \\ (3) / \quad (2), (\quad) \quad \Delta l=1,6 \cdot 10(-35) \quad , \quad \Delta \tau=5,4 \cdot 10(-44) \quad , \\ \Delta m=2,2 \cdot 10(-8) \quad , \quad \Delta =1,22705 \cdot 10(-38) \quad , \quad \Delta i=0,6931471 \quad -$$

() [2].

$$, \quad (\quad) \quad [3]. \quad (\quad)$$

$$J = \sum_{i=1}^k (\ln X_i - \frac{J_{sh}}{p_i}) \\ J = - ; Jsh - \\ ; \\ i - - ; \\ ; \\ n - , \\ mi - i - \\ ,$$

[4].

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$$F(AB), \quad X^A, \\ X^B, \\ I(X^A) \quad I(X^B)$$

$$F(A,B) = U^A \sigma^A X^A \eta^A Y^A \theta U^B \sigma^B X^B \eta^B Y^B \\ F(A,B) = X^A \rightarrow X^B; \dots I(X^A) = I(X^B); \dots I(X^A) \rightarrow \min, I(X^B) \rightarrow \min.$$

[5].

$$F(AB)$$

$$\ln \frac{\dot{x}^B(t)}{\Delta \dot{x}^B(t)} = A \ln \frac{x^B(t)}{\Delta x^B(t)} + B \ln \frac{u^B(t)}{\Delta u^B(t)} \\ \ln \frac{y^B(t)}{\Delta y^B(t)} = C \ln \frac{x^B(t)}{\Delta x^B(t)} + D \ln \frac{u^B(t)}{\Delta u^B(t)}, \\ \ln \frac{x^A(t)}{\Delta x^A(t)} = \ln \frac{x^B(t)}{\Delta x^B(t)}, \ln \frac{x^A(t)}{\Delta x^A(t)} \rightarrow \min, \ln \frac{x^B(t)}{\Delta x^B(t)} \rightarrow \min.$$

3.

S.V.Lutsky

INFORMATION SYSTEM-LAWS SIMULATION OF COMPLEX SELF-ORGANIZING SYSTEMS TECHNOSPHERE

The article deals with a set of basic scientific plants, terms and conditions of the theory of information system approach to the problems of modeling of complex self-organizing systems.

Key words: *self-organization, information, complex system modeling, analysis, synthesis.*

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