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

$$; \Delta I -$$

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1.

1	(R^n)	$I\{f: R^n \rightarrow R^n\}, I\{f: R^n \rightarrow m\}, I\{f: R^n \rightarrow E\}, I\{f: R^n \rightarrow t\}$
2	(t)	$I\{f: t \rightarrow t\}, I\{f: t \rightarrow m\}, I\{f: t \rightarrow E\}, I\{f: t \rightarrow R^n\}$
3	(m)	$I\{f: m \rightarrow E\}, I\{f: m \rightarrow R^n\}, I\{f: m \rightarrow t\}, I\{f: m \rightarrow m\}$
4	(E)	$I\{f: E \rightarrow m\}, I\{f: E \rightarrow R^n\}, I\{f: E \rightarrow t\}, I\{f: E \rightarrow E\}$
5	(I)	$I\{f: I \rightarrow I\}, I\{f: I \rightarrow m\}, I\{f: I \rightarrow E\}, I\{f: I \rightarrow t\}$

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

() [2].

[3].

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

J - ; Jsh -

i -

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i-

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[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].

$$F(AB)$$

$$\ln \frac{\dot{x}^B(t)}{\Delta \dot{x}^B(t)} = A \ln \frac{x^B(t)}{\Delta x^B(t)} + B \ln \frac{u^B(t)}{\Delta u^B(t)}$$

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

$$\ln \frac{x^A(t)}{\Delta x^A(t)} = \ln \frac{x^B(t)}{\Delta x^B(t)}, \ln \frac{x^A(t)}{\Delta x^A(t)} \rightarrow \min, \ln \frac{x^B(t)}{\Delta x^B(t)} \rightarrow \min.$$

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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.

18.06.2013 .