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This article presents research of exchange rate behavior modes identification problem solution and their behavior modeling with the help of existing formal models. A range of possible variants empirically assessed, including undetected yet modes, taking into account inflation rate and interest rate policy. The selection procedures of prediction directions for different alternatives were considered within the frame work of exchange rate prognostication mathematic model designing. Attention is focused on popular theories, which explain exchange rate dynamics, and relations between exchange rate and macroeconomic variables, which has the most significant affect on macroeconomic processes in conditions of instability and uncertainty.

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 - 19.04.2011 . ,
 7,9687 (7,9692) - , -
 (7,9648), -
 14 -7,9672 (7,9785), -
 1 -7,9731 (7,9653). -
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 , « », [8],
 (,) ()
 , - , - (MAD
 - mean absolute deviation).

$$\Omega_t = \sum_{l=0}^k A_l \Omega_{t-l} + \sum_{l=0}^k B_l \Theta_{t-l} + \varepsilon_t^w$$

$$\Theta_t = \sum_{l=0}^k C_l \Omega_{t-l} + \sum_{l=0}^k E_l \Theta_{t-l} + \varepsilon_t^z$$
 (1)

$$MAD = \frac{\sum |Y_i - \bar{Y}_i|}{n}$$
 (2)
 W, Q, - - Y - ;
 , B, C - \bar{Y}_i - .
 (l e^w e^z -) ;
 k - , -
 , , -
 (E_i = U(E_{i-1} + T_{i-1}) + (1-U) Y_i; (3)
 T_i = V T_{i-1} + (1-V) (E_i - E_{i-1}), (4)
). (1) k- , U V -
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 (1) : , -
 USDUAH = 0,0004t² - 0,0097t + 7,9799 .

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Exchange rate statistic modeling. This article presents research of exchange rate behavior modes identification problem solution and their behavior modeling with the help of existing formal models. A range of possible variants empirically assessed, including undetected yet modes, taking into account inflation rate and interest rate policy. The selection procedures of prediction directions for different alternatives were considered within the frame work of exchange rate prognostication mathematic model designing. Attention is focused on popular theories, which explain exchange rate dynamics, and relations between exchange rate and macroeconomic variables, which has the most significant affect on macroeconomic processes in conditions of instability and uncertainty.

Keywords: modeling, macroeconomic processes, inflation rate, dynamic.

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