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## THE PROCESSOR OF PARALLEL PROCESSING OF DATA OF THE MEANS OF AUTOMATION OF THE CALCULATION OF COEFFICIENTS FOR THE FINANCIAL ANALYSIS BASED ON THE COGNITIVE MODELS

(the prototype)

The parallel processing of data processor acts as the integrated applied component of the means of automation of the calculation of coefficients for the financial analysis based on the cognitive models (www.vetrovan.(spb).ru): 1) is made by the classical principle of parallel architecture; 2) the structure of the financial-analytical coefficient is directly based on my theory of floating financial-analytical coefficients: [The nominal value of the financial-analytical coefficient] = [The (re)constructable numerator of the financial-analytical coefficient "ch"] / [The (re)constructable denominator of the financial-analytical coefficient "z"] = [(the status of accounting in calculation 1ch xxx.yy) (the account 1ch xxx.yy) + + (the status of accounting in calculation 2ch xxx.yy) (the account 2ch xxx.yy) + +... + (the status of accounting in calculation ich xxx.yy) (the account ich xxx.yy) +... + + (the status of accounting in calculation Nch xxx.yy) (the account Nch xxx.yy) ] / [(the status of accounting in calculation 1z xxx.yy) (the account 1z xxx.yy) + + (the status of accounting in calculation 2z xxx.yy) (the account 2z xxx.yy) + +... + (the status of accounting in calculation jz xxx.yy) (the account jz xxx.yy) +... + + (the status of accounting in calculation Mz xxx.yy) (the account Mz xxx.yy)] = = [the sum (the status of accounting in calculation ich xxx.yy) (the account ich xxx.yy) for i from 1 to N] / [the sum (the status of accounting in calculation jz xxx.yy) (the account jz xxx.yy) for j from 1 to M]; 3) functions in the several modes, includes the procedures and algorithms: the authentication (the module of control of the processing of parameters for the providing of authentication of the user—the procedure of processing of the parameters of the method of the fin. analysis [the algorithms of analysis, accounting and setting up of the parameters of the national and foreign language of the method of the financial analysis, the algorithms of analysis, accounting and setting up of the parameters of modification of the (series of) method of the financial analysis], the procedure of processing of the parameters of the user of the financial analysis system [the algorithms of analysis, accounting and setting up of the parameters of (the group of) users], the procedure of processing of the parameters of the mode of functioning of the system [the algorithms of analysis, accounting and setting up of the diverse parameters of the mode of administrating, modeling and analysis of a posteriori data, the parameters of various explanations and flickering banners]);

the administrating (the module of control of the processing of parameters for the providing of the mode of administrating of the information storage – the procedure of processing of the parameters of initialization and drawing of the form of program [the algorithms of analysis, accounting and setting up of the parameters of initialization and drawing of the form, the algorithms of analysis, accounting and setting up of the parameters of the method of the vert, horiz, or trend financial analysis from the database of the methods of the financial analysis], the procedure of processing of the parameters of content of the method of the financial analysis [the algorithms of analysis, accounting and setting up of the param, of entering and changing of the elements of coeff., the quantity of accounts in the numerator or denominator of the formula of coefficient, the parameters of the selector of accounting in the calculation of a certain nominal value of the account in the numerator or denominator of the financial coefficient, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the explanation of formula, the timer of displaying or modification of the coefficient of the method of the fin. analysis, the multimedia accompanying of coefficient of the method of the financial analysis, the procedure of processing of the parameters of accounts of the synthetical and analytical accounting, the procedure of processing of the parameters of entering and modifying of the current coefficient of the method of the financial analysis [the algorithms of analysis, accounting and setting up of the parameters of buttons of the control panel of coefficient of the method of the fin. analysis in the database of the program complex, the algorithms of analysis, accounting and setting up of the parameters of switching of the coefficients, add. and deleting of the coeff., saving and canceling of changes of the coeff. of the method of the fin. analysis, the algorithms of analysis, accounting and setting up of the parameters of saving and cleaning of the coeff.], the procedure of processing of the parameters of entering and changing of the accounts in the numerator and denominator of formula of the financialanalytical coefficient of the method of the financial analysis [the algorithms of analysis, accounting and setting up of the parameters of buttons of the auxiliary control panel of account in the numerator or denominator of the formula of coefficient in the database of the method of the financial analysis, the algorithms of analysis, accounting and setting up of the parameters of switching of the accounts in the numerator and denominator of the formula of coefficient of the method of the financial analysis, the add, and rem, of accounts, the saving and resetting of the param, of accounts of the formula of coefficient], the procedure of processing of the parameters of inputting and changing of the warnings and explanations to the financial-analytical coefficient of the method of the financial analysis [the algorithms of analysis of the param. of displaying of the warnings and explanations of coeff.]); the modeling (the module of control of the processing of parameters for the providing of the mode of modeling based on the primary registers of accounting the procedure of processing of the parameters of initialization and drawing of the form, [the algorithms of analysis, accounting and setting up of the parameters of initialization and drawing of the form, the algorithms of analysis of the parameters of the method of the vertical, horizontal and trend financial analysis from the database of the methods of the fin. analysis],

the procedure of processing of the parameters of content of the coefficients of the method of the fin. analysis [the algorithms of analysis, accounting and setting up of the parameters of inputting and changing of the elements of coefficient, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the selector of accounting in the calculation of the certain nominal value of account in the numerator or denominator of coefficient, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the quantity of accounts in the numerator or denominator of formula of the coefficient, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the content of coefficient, the algorithms of analysis, accounting and setting up of the parameters of timer of the coefficient, the algorithms of analysis of the parameters of multimedia accompanying of the coefficient], the procedure of processing of the parameters of modeling (estimating) of accounts in the numerator and denominator of formula of the coefficient of the method of the financial analysis [the algorithms of analysis, accounting and setting up of the selected accounts in the numerator and denominator of formula of the financialanalytical coefficient of the method of the financial analysis, the algorithms of analysis, accounting and setting up of the pressing of button of the calculation of coefficients, the algorithms of analysis, accounting and setting up of the interval of time of the displaying of the panel of coeff., the algorithms of analysis of the starting of modeling (estimating) of the results of the financial-economy activity of the managing subject, the algorithms of analysis, accounting and setting up of the sign of inclusion in the calculation of the selected accounts in the numerator and denominator of formula of the coefficient of the method of the financial analysis, the algorithms of analysis, accounting and setting up of the starting of explanation of the correctness of coefficient], the procedure of processing of the parameters and the calculation of results (status) of the financial-economy activity of the (credit) organization [the algorithms of analysis, accounting and setting up of the parameters of the vertical, horizontal and trend financial analysis of the (credit) organization]); the analysis of data (the module of control of the processing of parameters for the providing of the mode of analysis of the data – the procedure of processing of the parameters of initialization and drawing of the form [the algorithms of analysis, accounting and setting up of the param. of initialization and drawing of the form, the algorithms of analysis of the param. of the method of the vertical, horizontal and trend financial analysis from the database of the methods of the financial analysis], the procedure of processing of the parameters of the (consolidated) (credit) organization, the representative-office, branch, office, the group of users (auditors), the user (auditor), the method of the fin. analysis, the national and foreign language [the algorithms of analysis, accounting and setting up of the parameters of inputting and changing of the elements of the (consolidated) (credit) organization, the (credit) organization, the representative-office, branch, office, the group of users (auditors), the user (auditor), the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the elements of the method of the financial analysis, the algorithms of analysis, accounting, setting up and changing of the parameters of the national and foreign language],

the procedure of processing of the parameters of extended elements of the method of the financial analysis [the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the selected extended elements, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the elements of a posteriori data, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the elements by default], the procedure of analysis, accounting, setting up and changing of the parameters of displaying of the extended elements of the (credit) organization [the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the actual set, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the elements of the cognitive model: the portrait, the kind of properties, the vector of parameters and parameters], the procedure of processing of the parameters of a posteriori data of the financial analysis [the algorithms of the analysis of changing of the parameters of displaying of the elements of a posteriori data of the financial analysis, the algorithms of the analysis of changing of the parameters of displaying of the elements of the name and codifier of the method of the financial analysis, the algorithms of the analysis of changing of the parameters of displaying of the elements of the date and time of carrying out of the financial analysis, the algorithms of the analysis of changing of the parameters of displaying of the elements of status of the structure of data, the algorithms of the analysis of change of the parameters of displaying of the elements of quantity of the accounts of the synthetical accounting of the first and second order in the numerator and denominator of formula of the coefficient of the method of the financial analysis, the algorithms of the analysis of changing of the parameters of displaying of the elements of the nominal values of accounts of the synthetical accounting of the first and second order, the algorithms of the analysis of changing of the parameters of displaying of the elements of quantity of the accounts of the analytical accounting and the financial analysis in the numerator and denominator of the formula of coefficient of the method of the financial analysis, the algorithms of the analysis of changing of the parameters of displaying of the elements of the nominal values of accounts of the analytical accounting and the financial analysis, the algorithms of the analysis of changing of the parameters of displaying of the elements of estimation of the (credit) organization], the procedure of processing of the parameters of the parametrical cognitive models block [the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the elements and the nominal values by default of the parametrical cognitive models block, the algorithms of analysis, accounting, setting up and changing of the parameters of displaying of the elements and the nominal values of the cognitive model for the vertical, horizontal and trend financial analysis]).

The software for the tasks of automation is being developed. In the process of SRW I prepared: the personal scientific monography "The cognitive modeling technology for the financial analysis and audit of the organization" and the personal scientific trilogy (RAS and IAS/GAAP) scientific-practical monographies "The calculating of the analytical coefficients system for the vertical, (horizontal and trend) financial analysis and audit based on the cognitive modeling technology".