Engineering procedure of computer systems estimation

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An important place in the modern discrete mathematics is occupied by combinatorial methods development of which for the last decades has discovered reflexion in diverse scientific publications. Activization of combinatorial evaluations recently, undoubtedly, has been promoted by growing practical value of evaluations of combinatorial character. Development of these methods is caused by occurrence of various problems of the discrete mathematics connected with existence, algorithms of construction and calculation of number of some configurations from elements of the given set. Such configurations are under construction according to certain rules and are called as usually combinatorial. Work has for an object to submitted developers of computer systems a technique which would allow to estimate numerically degree of correspondence of the various distributed computer systems to advanced requirements. Combinatorial methods of a choice of computer system to the set indications, requirements of a problem used for exposition and system resources (as indications productivity, modularity, fault tolerance, convenience of service, etc. can be used) are justified.

Keywords: *computer system, the optimum distributed computer system, a set of attributes (indications), weight function, a confidence level of numerical performance.*

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