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MULTIPHASE DESIGN AND MINIMIZATION OF LOSSES BETWEEN INTERFACES

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The monograph is devoted to the study of multiphase design and minimization of losses between interfaces. The represented results are the basis for the adoption and implementation of science-based managerial decisions intended to the special human machine interface.

The work is designated for the employees of research and development organizations, as well as for the students and postgraduates who study disciplines of the specialty occupations connected with software production.

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Contents

INTRODUCTION

According to the task of increase of system effectiveness of development of special multicomponent program complexes (management system special communication, etc.) it is necessary to decide production systems that is more effective for improvement of quality at each stage of functioning and a chain of execution of the made decisions that allows to define not only focus of financing and its way, but also to evaluate reached level of improvement of quality. In one cases it can be optimum, in others, despite repeated resource attachments, only come nearer to it.

Despite identical functionality, a large number of network services can require use of different interfaces, and this problem becomes more actual with broad application of a distributed computing environment. One of outputs – use of interface unit which coordinates work of different interfaces. Combining of these modules in chains allows to achieve flexibility in case of coordination, applying less modules, but here it is necessary to consider originating losses.

The task of development of sequences of interface units in case of minimization of the losses between interfaces in the course of multiphase design actually exists from the moment of appearance distributed, including the Intranet systems. Enhancement of hardware, the software, means of telecommunications leads to continuous appearance of new most difficult information systems for which known methods of research often become inapplicable.

Thus, relevance is dictated by need of improving of development processes of sequences of interface units in case of minimization of the losses between interfaces in the course of multiphase design at the expense of enhancement of technologies and instruments of their development.

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The body text of the monograph is written in Russian

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