**Путятин В.В.**

**APPLICATIONS** SAPR **(SYSTEMS OF THE AUTOMAT DESIGNING) IN ENGINEERING INDUSTRY**

The system of a computer-aided design are the system implement engineering at which all design solutions or them gained a part by interacting of the person and the COMPUTER.

The urgency of application of systems of a computer-aided design (SAPR) in the design organizations and on engineering works promoting increase in number of the higher and average educational institutions in which SAPR are t. About attention who are g to SAPR in the advanced industrial countries, said that fact that on recommendations of UNESCO in the base-load curriculum on information science and the information technology (IT) the facultative block «Design by means of the computer (CAD)» are provide.

One of the major problems of state-of-the-art SAPR - to relieve the engineer of routine work, to give it possibility to be engaged in creative processes. Now factories used the big nomenclature of SAPR: from small graphical programs to powerful specialized packages.

In the conditions of market economy and an active concurrence special sharpness for engineering works are g by a problem of regular updating of products, exhaustion of new modifications of already develop products to fulfill inquiries of a maximum number of users. The scope of systems of a computer-aided design (SAPR) embraced today the most various aspects of activity of the person - from arrangement of furniture in the apartment before designing and manufacturing of integrated circuits and state-of-the-art space technics. Each class of problems of technical drawing made to these products the demands, however the greatest extending they gain in engineering industry and architecture.

Use of SAPR in engineering industry allowed members of design team to work simultaneously over a product with the different parties: to solve problems of style design, designing of appearance of a product and parallel phased working out of a product. The new product are create in design division who are the central link of a computerization of the factory.

**Literature:**

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