

FUNDAMENTALS OF CAD IN ELECTRONIC EQUIPMENT

Up to date, there is no developer may submit the design process of electronic equipment without the use of computer programs. They accompany the whole process, from conception to technical realization.

In the course "Fundamentals of CAD in Electronic Equipment" the students get acquainted with work peculiarities of computer-aided systems, in particular CAD, CAE and CAM systems. The principles of graphical models construction and operations with them; the graphic standards and formats; the methods of image formation on the monitor screen; the principles of computer-aided engineering analysis; the principles of industrial automation is discussed.

At the practical work students carry out full design of the printed circuit board with the implementation of all necessary engineering documentation in the software packages Altium Designer or P-CAD.