

THE MECHANICS AND BASIS OF MECHATRONICS

The purpose of teaching of discipline: study of theoretical and applied sections of the mechanics, on which the methods of designing of basic structure designs and mechanisms of radioelectronic means (REM) are based. These devices have characteristics: they should have high factors of use of volume and mechanical properties of constructional materials, mechanisms REM — high kinematic accuracy, speed, reliability. The students should study: methods of designing of designs and devices REM; the modern scientific and technical literature, normative materials, directories concerning this area; the typical computer programs for designing mechanisms and mechanical designs