

Summary of discipline Computer Mathematical Simulation Discipline "Mathematical modeling of computer" provides the first level of the fundamental instrument for bachelors in the practical use of computers in their careers. The theory of mathematical modeling - a branch of mathematics that studies the properties of the object methods, replacing their mathematical objects (models). The mathematical representation of a physical object allows you to answer a series of questions about his behavior without creating a real object, which was often expensive and ineffective. For the analysis of mathematical models, have developed mathematical apparatus that covers all types of typical problems exampletion of mathematics. The use of mathematical modeling in solving other tasks- zhenernyh allows to increase the efficiency and reduce the cost of designing proektuyemyh objects.