Mathematical Contest in Modeling has become one of the most popular competitions among college students these days. Well, mathematical modeling means describing a system using mathematical concepts and language. A model may help scientists and engineers to explain a system, to study the effects of different components, and to make predictions about its behavior. Mathematical models are widely used in the natural sciences, such as physics, biology and chemistry, and also engineering disciplines, such as computer science and electrical engineering. It could be used in non-physical systems such as social sciences such as economics as well. As examples, there are some pictures of models of fluid flowing.

Collect the data known and have a primary understanding of the problem

As many of the variables are not important

By this we do mathematical modeling successfully.

According to information known, we choose methods we use.

In this model of economic problem, we could clearly see linear and nonlinear models.

In a word, mathematical modeling is an important method for scientific research.