Mathematics

Overview

Mathematics is the study of quantity, structure, change concept, space, and information of a discipline, from a certain perspective belongs to a form of science. And in the human history development and social life, mathematics also plays an irreplaceable role, is also the necessary basic tools in the study and research of modern science and technology.

Introduction

Point is the size of the point on the geometry is not only position, integral graphics. The amount of vector is both size and direction. To communication space analytic geometry graph and the number of research, need the relationship established between space points and orderly array, we introduce the space rectangular coordinate system. In the space rectangular coordinate system, to the right hand thumb pointing in the direction of x axis is the direction, the index finger pointing at the y axis is the direction, if the middle finger to point to the z axis is the direction, rectangular coordinate system, called the coordinate system for hand. The dot product is accepted on the real Numbers R two vectors of real value and returns a scalar binary operation. It is the standard inner product of Euclidean space. Explicit parameters is defined in

method; Implicit parameter is not in the method is defined, but it also dynamically affect the program runs "parameters".

Reference

Lv Shihu：Vector and its teaching in high school mathematics new curriculum [J]; Course. Teaching materials. Teaching methods; 01, 2006

Li na. Under the new curriculum reform of vector teaching research [D]. Liaoning normal university; In 2009,