

Abstract

Provided is a technology for, when configuring space information in three-dimensional modeling data, configuring a new space information configuration structure in which lightweight space information is quite easily configured, compared to existing techniques, wherein a method of configuring and utilizing space information of three-dimensional modeling data includes: a first space information configuration operation of, when receiving, as data input from the outside, modeling data capable of defining an external shape of an object through three-dimensional modeling regarding an object, configuring, in the modeling data, first space information for defining a shape of a space constituted by at least one object on the basis of a modeling form; a connection information configuration operation of configuring node data corresponding to a space-specific center point by using the first space information, and configuring connection information including link data, which is a connection relationship between respective pieces of node data, by using input data related to a connection relationship for each piece of the node data received from the outside; a second space information configuration operation of configuring second space information for defining attribute information of a space constituted by objects, by using attribute information regarding each object input from the outside; and a space information configuration completion operation of configuring space information regarding each space and modeling data of each object included in the space by interlinking, with respect to each space, space information including the first space information, the second space information, and the connection information.