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浅谈R—tree (R—树) 技术及其在断层数据管理上的应用 [点此下载全文](#)

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摘要:

为了有效地管理三维空间的地球物理数据、地质数据以及计算机辅助设计数据, 数据库系统需要一个索引结构将满足多维空间数据管理的需要。并讨论R-tree的检索、增加及删除算法, 以及R-tree技术应用于断层数据管

关键词: [地质数据库](#) [断层数据](#) [管理](#) [R—树](#)

ELEMENTARY INTRODUCTION OF R-TREE TECHNOLOGY AND THE APPLICATION IN FAULT DATA HANDLE

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Abstract:

In order to handle efficiently spatial data, such as geophysical data, geological data, and computer database system needs an index mechanism that will help to retrieve data items more quickly according to spatial locations. However, traditional index methods are not well suited to data objects located in three-dimensional space. In this paper the authors discuss a dynamic index structure called the R-tree which meets this need, and the searching, adding, deleting and application of R-tree for fault data handling.

Keywords: [index structure](#) [node](#) [spatial data objects](#) [spatial box](#) [fault](#)

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