

博士论坛

## 全球卫星遥感影像数据组织与WEB发布

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**摘要** 在影像数据应用需求急速增长的前提下, 对日益庞大的卫星遥感影像数据进行有效管理和发布成为了迫切需要解决的问题。根据海量影像数据和Web的特点, 重点探讨了全球卫星遥感影像的多分辨率金字塔模型、海量影像数据的索引设计和调度机制, 构建了全球卫星遥感影像数据管理发布引擎, 最后基于上述方法和手段实现了能同时满足不同访问接口的全球卫星遥感影像数据的Web高效通用发布系统。

**关键词** [卫星遥感影像](#) [Web发布](#) [面向Internet服务的应用程序编程接口 \(ISAPI\)](#) [ISAPI重写](#)

分类号

## Organization and Web based publication of global satellite image data

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### Abstract

With the rapid growth of the image data applications demand, effective management and publication of increasingly large satellite remote sensing image data has become an urgent problem. Based on the features of Massive image data and the Web, this paper does a deep research and a thorough discussion of multi-resolution pyramid model of global satellite remote sensing image and the indexing design and scheduling mechanism of mass image data. Then it brings forward a management and publication engine of global satellite remote sensing image data. Finally, an instance of web based high-performance general-purpose publication system based on the above methods and means is given, which can meet the needs of different access interface clients at the same time.

**Key words** [satellite remote sensing image](#) [Web based publication](#) [Internet Server Application Programming Interface \(ISAPI\)](#) [ISAPI rewrite](#)

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