

地理信息系统

基于ArcEngine与OGR库的Shapefiles文件到KML格式转换方法研究

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摘要:

Google Earth的问世,给GIS行业注入了新的活力,但对GIS的核心和重要功能——空间分析的支持几乎为零。本文首先使用

ArcGIS Engine实现了Shapefiles文件的缓冲区分析功能,然后通过ArcGIS Engine和OGR库把缓冲区分析结果的Shapefiles文件转换

为KML格式,从而将缓冲区分析的结果在Google Earth中显示出来,间接地增强了Google Earth缓冲区分析的功能。

关键词: ArcGIS Engine OGR库 Shapefiles KML

RESEARCH ON THE METHOD FOR TRANSFORMING SHAPEFILES TO KML BASED ON ARCEngine AND OGR

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Abstract:

Google Earth has injected new vitality into GIS industry, but it is poor in spatial analysis which is

important in GIS. The authors first realized the buffer analysis based on ArcGIS engine, and then transformed the

results of the buffer analysis into the KML format using ArcGIS engine and OGR. As a result, the results of the

buffer analysis could be shown in Google Earth. To some extent, the means can develop the buffer analysis function

of Google Earth indirectly.

Keywords: ArcGIS Engine OGR Shapefiles KML

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