
Performance Issues of GML Vector Data on Wireless Access Networks

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Abstract

With regarding to web GIS, Open Geospatial Consortium promotes Web Feature Service allowing a client to retrieve geospatial data encoded in GML which is a modeling language to encode the semantics, syntax and schema of geospatial information resources. Even though GML provides benefits for geographic description, it is too heavy for mobile devices to process. In order to address the issue, this paper evaluates a GML service with a WFS server and GML viewers. Through this paper, we analyze properties of GML geospatial data and effects on wireless environments.

Keywords

Geography Markup Language (GML), Wireless Network, Geography Information System (GIS), Web GIS, Web Feature Service (WFS)
