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Research and Application of GIS Data Update Technology

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Abstract. This paper summed up 3 kinds of GIS data update ways started from the actual production, as these data are raster to raster data, raster to vector data and vector to vector data. We described the most advanced and most effective ways to update each kind of data, solved lots of insufficient exist in current GIS data update ways effectively, such as long update time, low update efficiency, data redundancy and can't query and analysis based on time. From the actual production project, those ways we described were proven to be effective and feasible.

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