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The Design and Realization on Effectively Fire Tower Planning Based on MapGIS-TDE

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ABSTRACT

Fire-tower is effectively applied in forest fire prevention and commanding system, especially in fire monitor and position. After explaining the significance of scientific planning of fire-tower, this paper analyzes GIS's functions in building forest fire prevention system. This paper uses case study method, which designs a model, fire tower planning and analysis, based on MapGIS platform. After that, it directs us how to realize these functions based on MapGIS-TDE which is a 3D platform belonged to MapGIS. This paper gives us scientific ways to fire tower planning in forest fire system which promotes informationization of forest fire prevention management.

KEYWORDS

MapGIS-TDE, forest fire prevention, 3D, fire tower planning, visual analysis

Cite this paper

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References

- [1] Guo li na., The analysis of forest fires in visible area in Mohe. Natural sciences journal of Harbin normal university, 25(1):98-100, 2009.
- [2] Guo li na, The application of GIS on observation tower site. Natural sciences journal of Harbin normal University, 200925(4): 102-104,.
- [3] Chui Xue-ming ,Study on Lay out of Fire Tower in the Second Phase Forest Fire Control Project of eight bureau of Lingnan Based on 3D Analyst of ArcGIS. Inner Mongolia Forestry Investigation and Design, 2009.32(5):66-68,.
- [4] Yu Wendong, He Weijie. Application of Fire Tower in Forest Fire Supervision System, 2008.40(3):28-

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