WAP環境中快速地圖平移瀏覽之方法

Map browsing is one of the basic operations in Geographical Information System (GIS). However, when it is applied to the WAP environment, the efficiency of map browsing is important since the cost of transmission is expensive. In this paper, we propose an efficient method of map browsing in WAP environment. The map is divided into many tiles of the same size. The spatial data such as points, lines and polygons in the map are then allocated to the tiles to which they belong. The information is saved in the database in the server. Finally, an efficient algorithm for map browsing is proposed based on the arrangement of the spatial data. It is implemented in WAP environment by JAVA to provide the remote user with the efficient map browsing operation.