



SDSU
presents
MS Computer Science
THESIS DEFENSE

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Web Version of shape file analysis

Abstract

This is a web-based application to allow the user to view and understand hex dump versions of .shp, .shx, .dbf etc. files submitted by a user from the keyboard. This tool provides the user with an option to upload the shapefiles and then also allows him to download the hex dump of the file and they can also view their hex dumps on the web site. One major improvement over the earlier efforts is, rather than just seeing the hex dump, now you can download the file and keep it for your future reference. When we view anything through a browser it makes it easier to understand as it's in more readable form, rather than on the console. A tool was created, which display the hex dump version of a shapefiles provided by the user. The tool then explains those hex dumps according to their ESRI specified formats. The purpose of this tool is to make it convenient for the students to understand the structure and format of shapefiles, but can be used as well by GIS professionals, for example to validate the data.

Thesis Committee

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