Abstract

WebMap Calculator: Map Server-Based Tools for Intra- and Inter-layer Calculations
Track: Application Development
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Pacific Marine Environmental Laboratory has created map servers in support of oceanographic data access. Map servers work well to display and query data as well as for making maps available to the public. Sophisticated users have requested increasing functionality in the map server applications, including the ability to perform calculations between layers of data served in the framework of the map server. These tools allow users to select layers, define equations for calculations, and send requests to a back-end server for computation. This method takes advantage of server-side scripting to create batch text files and uses AML scripting functionality to perform computations. Display of results is via an overlay in the map server.

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