pgRouting

Routing & Graph Algorithms in the database

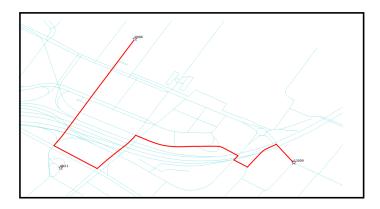


Overview

pgRouting extends the PostGIS/PostgreSQL geospatial database providing geospatial routing and other graph algorithms functionality.

pgRouting is implemented in C++, using C++ Boost Graph library.

Using it, is with SQL queries.



Software

- pgRouting postgreSQL extension Query the database for routes.
- osm2pgrouting Import OpenStreetMap data to a pgRouting database
- pgRoutingLayerQgis plugin for simple routing queries

Core Features

pgRouting implements a variety of graph algorithms.

Some of the most used algorithms are:

- ► Dijkstra Algorithm
- ► Driving Distance
- ► Johnson's Algorithm
- ► Floyd-Warshall Algorithm
- ► A* Algorithm
- ► Bi-directional Dijkstra
- ► Bi-directional A*
- ► Traveling Sales Person
- ► Flow Analysis
- ► Graph Analysis

