



TERRAtron[™] - Terrain Simulation Server

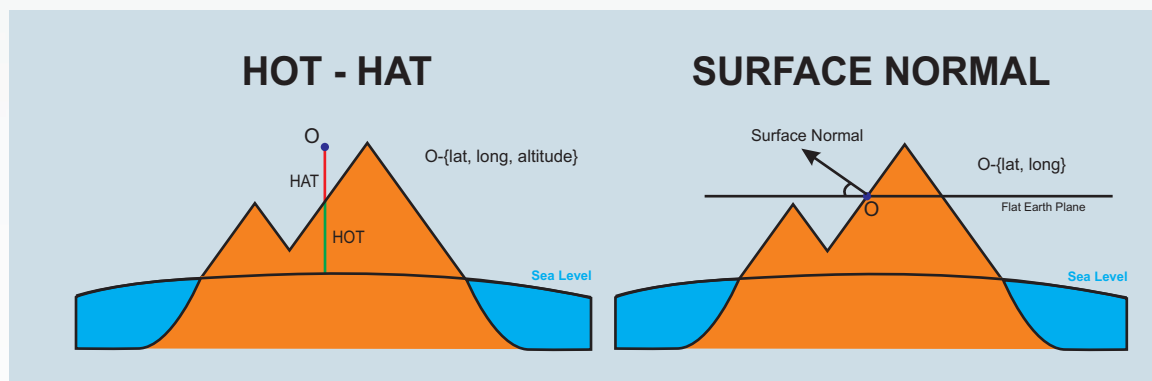
KaTron's TERRAtron[™] is a next-generation Terrain Simulation Server software that provides terrain database services for all kinds of simulation applications. TERRAtron[™] processes very large scale gridded elevation data and enables real-time queries on these data.

TERRAtron[™] is the perfect solution for applications requiring real-time terrain analysis/information like sensor, communication and navigation simulation.

TERRAtron[™] processes terrain databases based on industry standard formats like OpenFlight and NIMA DTED and converts these to a triangular grid format without any loss of precision. This enables optimized terrain loading and multiple simultaneous real-time terrain query operations

TERRAtron[™] Features

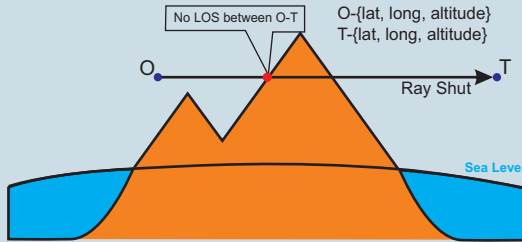
- + Client – Server, Multi-Platform Architecture
- + HLA Interface
- + TCP/IP, IDP Interface
- + Graphical User Interface (GUI)
- + Real-time Calculations and Queries
 - + Height of Terrain
 - + Height above Terrain
 - + Surface Normal
 - + Line of Sight
 - + Point of Intersection – POI on terrain between two points
 - + Point of Intersection – POI on terrain on circle with given radius
 - + Slant Range
 - + MIN/MAX Points between two points on line
 - + MIN/MAX Points on circle with given radius
 - + Air Distance of two points on terrain
 - + Projected Distance of two points on terrain
 - + Depth of Sea
 - + Coast Line



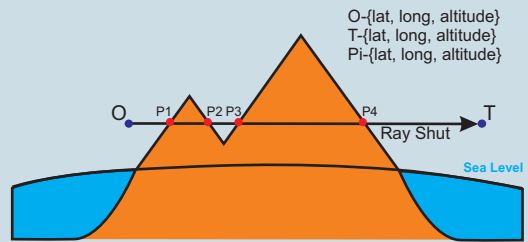


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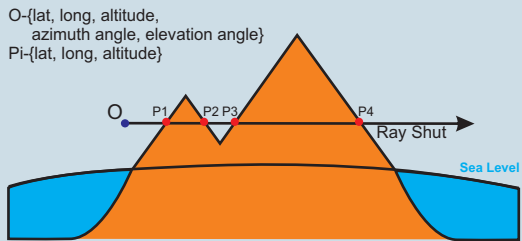
LINE OF SIGHT



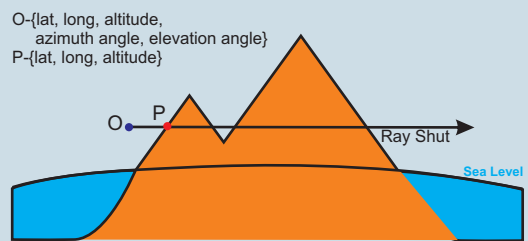
POI - 1



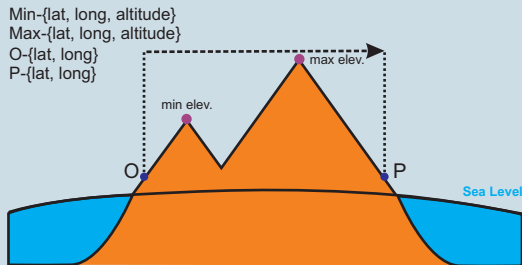
POI - 2



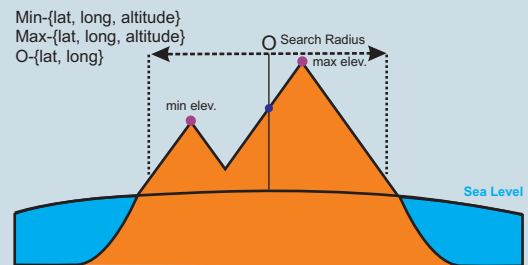
SLANT RANGE



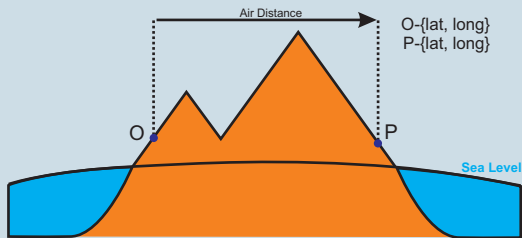
MINMAX ELEVATION 1



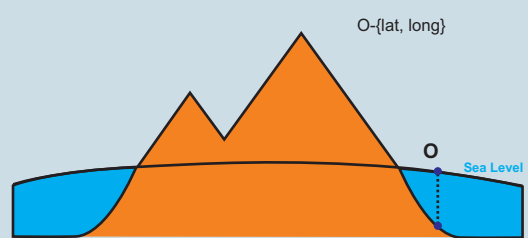
MINMAX ELEVATION 2



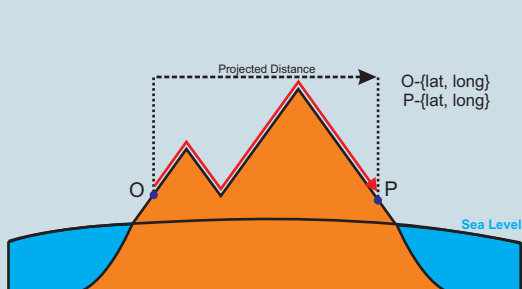
AIR DISTANCE



DEPTH OF SEA



PROJECTED DISTANCE



COAST LINE

