Db2

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Analyzing and generating spatial information

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Analyzing and generating spatial information requires an understanding of the environments in which you can submit queries and the guidelines on using spatial functions in conjunction with spatial indexes.

You can perform spatial analysis by using SQL and application programs in all supported languages supported. Review examples of the various types of spatial functions that you can invoke in a query to learn about the capabilities that Spatial Extender offers.

– **Environments for performing spatial analysis** [7.4 11)]
  You can perform spatial analysis by using SQL and spatial functions from the Db2® command line processor and from Application programs in all languages supported by Db2.

– **Examples of how spatial functions operate**
  Db2 Spatial Extender provides functions that perform various operations on spatial data. These functions can be categorized according to the type of operation that they perform.

– **Functions that use indexes to optimize queries**
  A specialized group of spatial functions, called *comparison functions*, can improve query performance by exploiting spatial grid indexes. Each of these functions compares two geometries with one another.

Parent topic:

→ Db2 Spatial Extender

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