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SHAPING FEATURES WITH GEOMETRY VIA ARCOBJECTS

ArcObjects is the development platform for ArcGIS, a software package for managing geographic information systems (GIS). These products are developed and distributed by one of largest company called ESRI (Environmental Systems Research Institute Inc.) Geographic information systems have to be able to handle two basically different kind of data type: the geometric data which describe the location, size and shape of the features and attribute data which store information about their properties and qualities.

Generally users use the different functions through the toolbars and commands but it is worth examining what kind of objects ensures these.

Discrete features of a vector data model are stored in a geodatabase with a geometry field that contains a precise and compact description of the shape. My paper discusses how defining shapes with ArcObjects, how managing the geometry environment and gives and overview about using 3D geometry objects.