Metacat - Bug #2550

Dateline and polar handling for points

09/11/2006 03:08 PM - Matthew Perry

Status:	Resolved		**Start date:**	09/11/2006
Priority:	Normal		**Due date:**	
Assignee:	Matthew Perry		**% Done:**	0%
Category:	metacat		**Estimated time:**	0.00 hour
Target version:	1.7		**Spent time:**	0.00 hour
Bugzilla-Id:	2550			

Description

Unfortunately for cartographers the world is not flat. When a feature crosses the dateline or the polar regions, the cartesian coordinate system and all the assumptions that go with it are invalid. For instance the west bounding coordinate would be greater than the east bounding coordinate for a bounding box that crossed the international date line.

This is taken care of in the polygon code by splitting such polygons into multi-polygons.

We need to update the point centroid generation code to reflect this reality as well.

History

#1 - 09/18/2006 04:49 PM - Matthew Perry

revision 1.4 on SpatialDocument should fix this. Centroids are now calculated correctly for these cases.

#2 - 03/27/2013 02:20 PM - Redmine Admin

Original Bugzilla ID was 2550