

Programming spatial databases

- Open spatial database handling systems: Postgres/Postgis, MySQL)
- Administering spatial databases (PgAdmin, MySQL workbench)
- Import /export of spatial data, troubles of conversion
- Spatial data standards (OGC) and topology handling
- Spatial data formats
- Displaying spatial data: Sharpmap, Gmap
- Database application development for spatial data in C#
- Connecting Postgres/Postgis data from c#
- Spatial functions
- Open access digital maps
- consultation of course work

Literature:

Hanan Samet: The design and analysis of spatial data structures, Addison-Wesley, 1994
Andrew Troelsen: Pro C# 5.0 and the .NET 4.5 Framework, Apress, 2012

Suggested literature:

Applications of Spatial Data Structures: Computer Graphics, Image Processing and GIS (by Hanan Samet, Addison-Wesley, 1989)