

STING: A Statistical Information Grid Approach

- ❑ STING (Statistical Information Grid) (Wang, Yang and Muntz, VLDB'97)
- ❑ The spatial area is divided into rectangular cells at different levels of resolution, and these cells form a tree structure
- ❑ A cell at a high level contains a number of smaller cells of the next lower level
- ❑ Statistical information of each cell is calculated and stored beforehand and is used to answer queries
- ❑ Parameters of higher level cells can be easily calculated from that of lower level cell, including
 - ❑ *count, mean, s*(standard deviation), *min, max*
 - ❑ type of distribution—*normal, uniform, etc.*

