Michael Moore (group1)
Review of group 3

**Please use the following questions to critique each group:**

**Relevance to Course Material:** Which chapter, section or topics in the course does the presented material refer to (50 word limit)?

Chapter 6, Structures and Access Methods. Supplemented voronoi digrams, r-trees, r*-trees and object indexing. Bounding boxes & rectangles.

**Novelty:** What is the new information in the Encyclopedia articles with respect to the textbook material (50 word limit)?

Further discussion about R, R+ and R* tree for indexing and searching. More details and visualization of how R-Trees work and how R-tree searching works.

**Societal Motivation:** What is the motivation behind the new information in the Encyclopedia articles? For example, list societal applications that may use these new concepts, use cases for these new ideas, etc. (50 word limit)

They discussed using advanced R-trees in Marketing, Forestry, Traffic monitoring, navigation, mobile communications. Also specifically in an airport monitoring type situation.

**Computer Science Motivation:** If applicable, what is the Computer Science (CS) benefit of the proposed approaches (e.g. new algorithms, data structures or other CS concepts, scalability, increase in productivity for software engineers, etc) (50 word limit)

Although R-trees are already well researched it's still important to be aware of the research that has been done and which are most efficient.

**Overall Presentation:** Provide feedback on the overall presentation. How well were the ideas conveyed? Did you understand most of the talk (or 75%, 50%, 25%, 5%, 0%)? Were the ideas illustrated well (including the usage of both positive and negative examples)? Also comment on audience engagement. Did the speaker ask the audience questions, etc. (100 word limit)

90% – I know more about R-trees than I did before at a general level. I know enough now that if I needed to implement a geodatabase I know I would need to research which type of R-tree was most applicable to the project at hand.

**Presentation Critique:** Did the speaker inspire you to want to learn more about the material covered? If you had to rate the presentation with either a check, check- or check+, how would you rate it? Explain.(50 word limit)

check – It sounds like R-trees are already well established and that I won't need to study them very much unless I'm designing new database software. In the course of other GIS work, research and development it seems like I would just use the built-in indexing models provided by the databases.