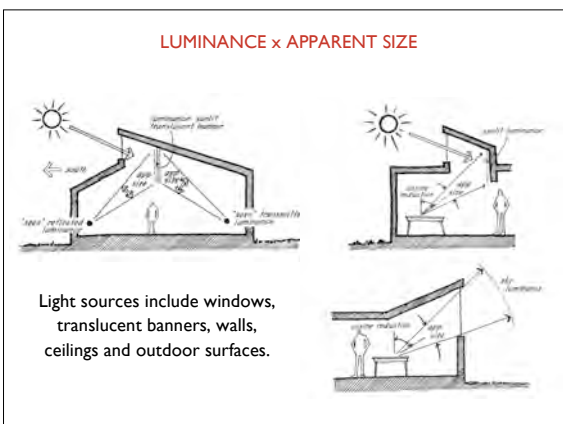
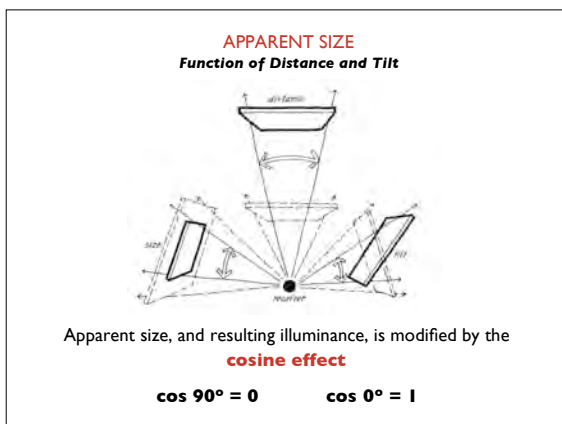
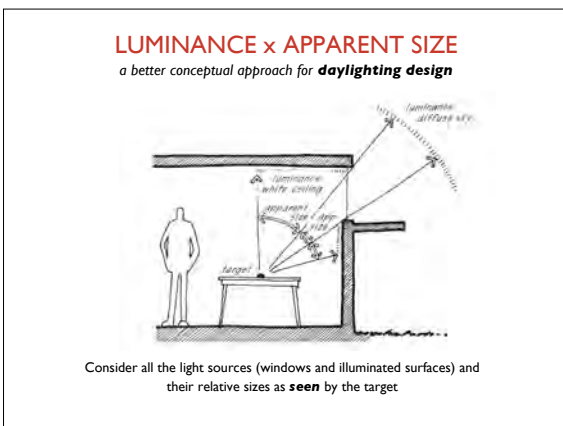
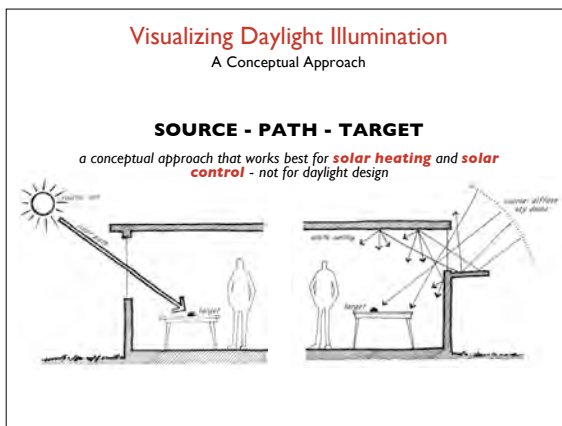




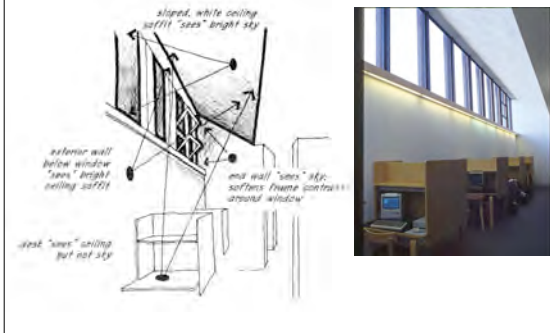
**announcements 6/3/08**

**Final Exam Alternate Time:**  
**Wednesday, 6/11**  
**4:30 - 6:20**  
**Smith (SMI) 304**

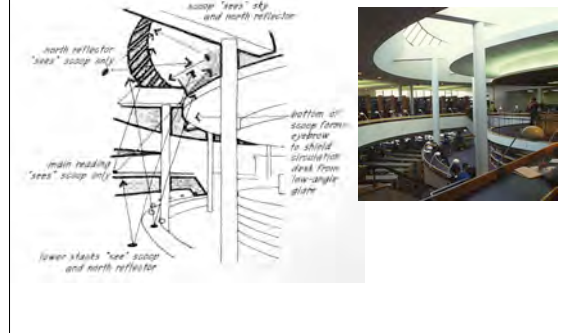
**Final Exam Assigned Time:**  
**Friday, 6/13**  
**4:30 - 6:20**  
**Gowan 201**



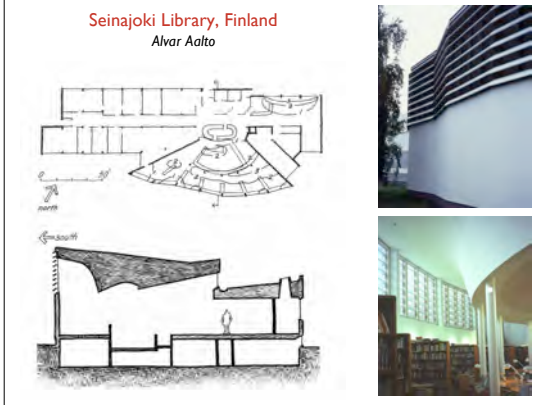
Mount Angel Abbey, Oregon  
Alvar Aalto



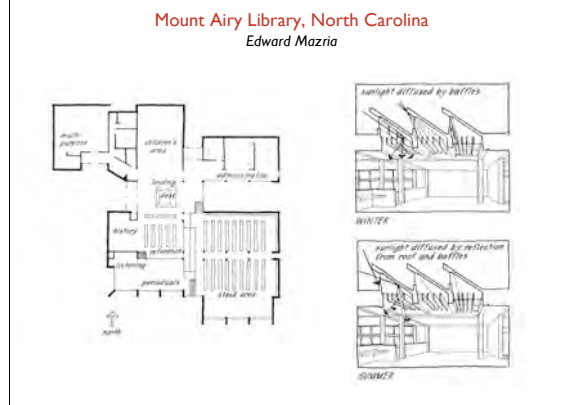
Luminance x Apparent Size Model



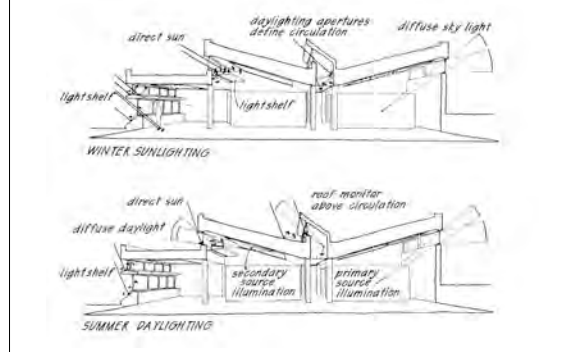
Seinajoki Library, Finland  
Alvar Aalto



Mount Airy Library, North Carolina  
Edward Mazria

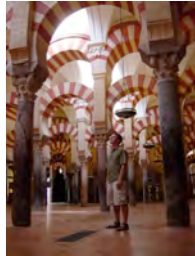


Luminance x Apparent Size Model



**Four goals for designing with daylight**

1. Use as much daylight as possible to replace electric lighting; bring it deeply into the space.
2. Provide adequate illumination levels for the given tasks and purpose of the space.
3. Avoid creating visual discomfort.
4. Consider *light as formgiver of architecture*; make use of all the visual and experiential qualities of daylight possible.

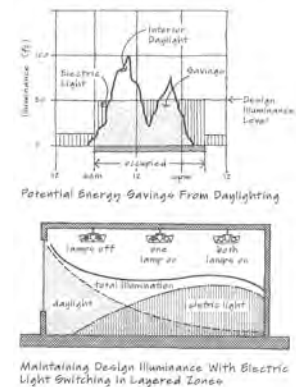


*This assumes that solar control has been effectively addressed*

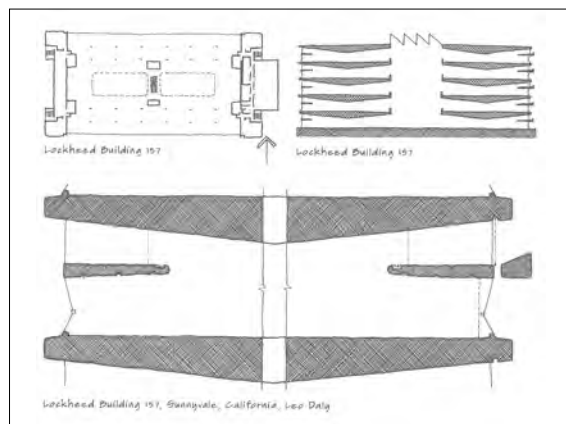
**Goal One:**

Replacing electric lighting with daylight.

In order to reduce the environmental impact of buildings, we can use daylight to replace electric lighting when possible.



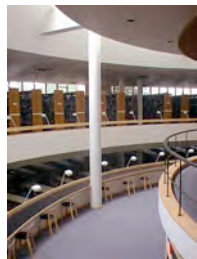
**Lockheed Building 157**



**task / ambient**

A lighting strategy in which ambient lighting is provided by one source and task lighting by another

Daylighting can be used as ambient light but may not be ideal for all tasks



Distribute light deeply and evenly into the space

Daylight, both direct beam sunlight and light from the sky-vault can provide high quality and quantity illumination that is thermally efficient (lumens/watt).

However, it must be controlled and distributed effectively to achieve high quality lighting.