5-minute topic
Augmented Reality
The Reality-Virtuality Continuum

- Real Environment
- Augmented Reality (AR)
- Mixed Reality (MR)
- Augmented Virtuality (AV)
- Virtual Environment
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ARQuake

http://www.youtube.com/watch?v=yNYfkxqiB6g
Issues

• AR is about adding information to the reality. But why do we need AR?

For any given application, think about:
• Do we need the extra information?
• Do we need the information to overlay?
• Is the use of AR meaningful? Does it make it easier to do some work?
Some Great Uses of AR

- Football game “virtual yard line” (computer-generated line for TV broadcasting)
Ultrasound

• Traditional ultrasound: Look here, work there.

Presentation idea from Roberta Klatzky (CMU Psychology)
AR Ultrasound

http://www.sonicflashlight.com/
Google Goggles