

MARTIN WALSH

SPLINTER CELL BLACKLIST

Why PERCEPTION AND AWARENESS?



**TOMELANCYS

SPLINTER**CELL

BLACKLIST

Three CHARACTERISTICS of PERCEPTION Models



FEEL FAIR



ATOMELANCYS SPLINTER*CELL BLACKLIST

CONSISTENT FEEDBACK

Reaction Animations

Barks

HUD Elements



INTELLIGENCE



Plausibili



BLACKLIST

Four Perception and Awareness models







SPLINTER+CELL BLACHLIST

Visual

Environmental





SPLINTER*CELL BLACKLIST

- Visual
- Environmental
- 🔒 Auditory



**TOMELANEYS

SPLINTER**CELL

BLACKLIST

- Visual
- Environmental
- Auditory
- Social and Contextual





VISUAL PERCEPTION



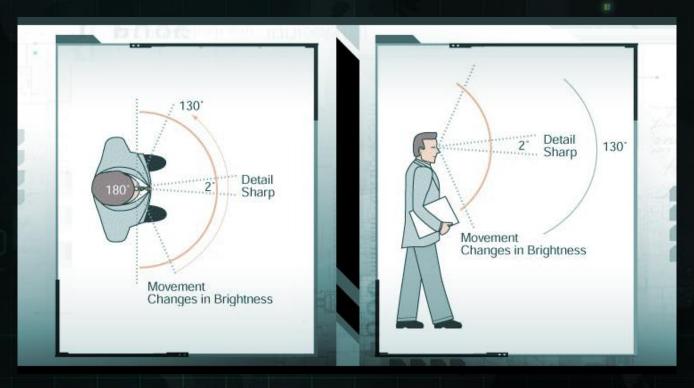
**TOMELANEYS
SPLINTER**CELL
BLACKLIST

VISION IN GAMES



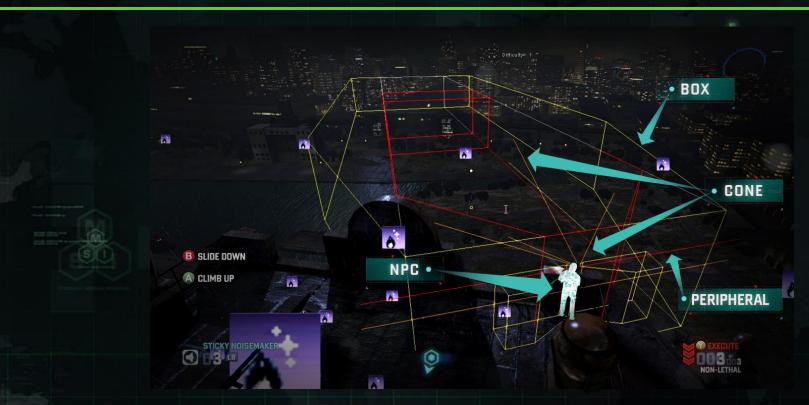
SPLINTER+CELL BLACKLIST

VISION IN LIFE





VISION IN BLACKLIST





DETECTION



SPLINTER+CELL BLACKLIST

DETECTION FEEDBACK: HUD



SPLINTER*CELL BLACKLIST

TUNING WAS A NIGHTMARE

- Tweaked by Design
- Inconsistent playtest feedback



SPLINTER*CELL BLACKLIST

ISSUES WITH VISION TUNING

- Special case cover code Solution: More special case code 🕾
- Detected too easily at a distance Solution: Switched to Coffin-shaped boxes
- Too easy overall Solution: Keep tweaking





ENVIRONMENTAL AWARENESS

Layout

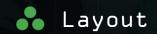
Environmental Objects



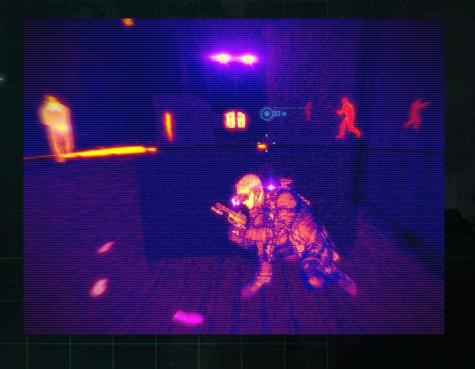




ENVIRONMENTAL AWARENESS



Environmental Objects



ATOMELANEYS
SPLINTER*CELL
BLACKLIST

WHY IS AWARENESS OF LAYOUT IMPORTANT?

- Our encounters can start anywhere
- NPCs are already spawned
- What about NPCs that
 can't engage the player?



LAYOUT AND CONNECTIVITY: TEAS





ENVIRONMENTAL OBJECTS



"Did I leave that door open?"







AUDITORY PERCEPTION

- Every auditory event has a distance and priority
- If an NPC is in range he hears it
- Used the TEAS to calculate distance





AUDITORY PERCEPTION ISSUES

- You can't see who hears you
- You don't directly control the sounds you make





AUDITORY PERCEPTION SOLUTION

- NPCs off screen don't hear as well
- CD stopped complaining!

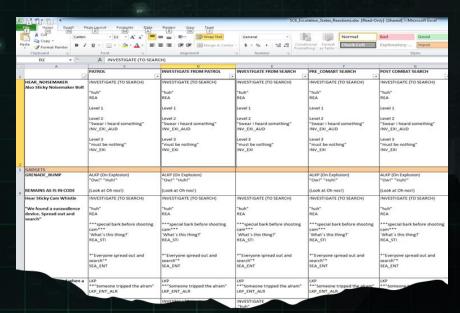






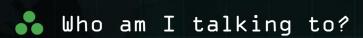
BETTER FEEDBACK: BARKS

- "I think I heard footsteps"
- 💦 "I think I heard someone over there"
- "I think someone's over there"





SOCIAL AND CONTEXTUAL AWARENESS



What's happening around me?



CONTEXTUAL AWARENESS: CONVERSATION



ÄTDMCLANEYS SPLINTER+CELL BLACKLIST

CONTEXTUAL AWARENESS: UNREACHABLE



ATOMICIANICY'S

SPLINTER CELL

BLACKLIST



To be continued...

COME & MEET ME

at the



2014

Today

from

3:30PM

tc

4:30PM





COMMON SOCIAL AND CONTEXTUAL ISSUES

Disappearing NPC problem

The dead body problem







CONTEXTUAL AWARENESS: UNREACHABLE



SPLINTER CELL BLACKLIST

SOCIAL AWARENESS: CONVERSATIONS



