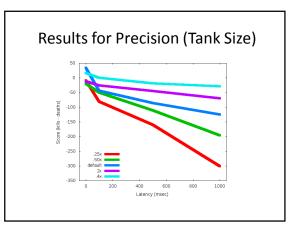
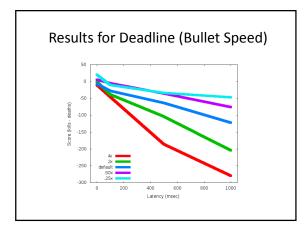


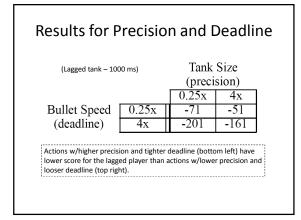
Methodology (3 of 3)

- 8 computer-controlled tanks (bots)
- 2 hour runs

Factor	Value
Tank Size	0.25x, 0.50x, default, 2x, 4x
Bullet Speed	0.25x, 0.50x, default, 2x, 4x
Latency	0 ms, 100ms, 500ms, 1000ms







Summary

- Latency can kill (your fun!)
 Responsiveness, Consistency, Fairness
- Amount depends upon player action

 Precision accuracy required to complete action successfully
 - Deadline time required to achieve the final outcome of action
- Effects grouped based on perspective
 - First-person avatar
 - Third-person avatar
 - Omnipresent

Future Work Network improvements Shift latency "left" But mobile, wireless emerging! Server selection Shift latency "left" But limited selection and/or want to play with friends! And want more players (1000 v 1000)! Latency compensation techniques - help "deal with fit" (so the player doesn't have to!) Shift curves "up" But often tradeoffs (e.g. consistency and responsiveness)

Future Work?

