Potential of Dense-Tracking Data

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What drives GIS?

- Resource management
- Cadaster
- Utilities
- Military, intelligence
- Health
- Science
- Where’s the 226.8 Kg gorilla?
  - at time $t$
What might drive DTD?

- Mapping
  - averaging tracks
  - asset management
- 911
- Congestion
- In-car navigation
- Transponders
  - OnStar, fleets
  - driver monitors
- Behavior studies
  - link ID, 250m adequate
Dense sub-meter positioning

- Lane-level navigation
- Look-ahead radar
- Lane departure
- Next-generation navigation
Integration with other technologies

- GPS outages
  - Atlanta, Seattle
  - NY, Hong Kong
- Inertial
- Modeling vehicles or people?
- In-building
  - microwave
  - WiFi
Possible partnerships

- MPOs, DOTs
  - EMS, DHS, NGA
- Mapping
  - GDT/Teleatlas, Navteq
  - Census, NGA
- Positioning technologies
- Fleet operators
- Ram’s comments