

gps positioning needs
4 satellites because
each data from one
satellite puts you in a
sphere around the
satellite

GPS- me
distance
that em
sig

each gp
contin
broad
navigation

by computing the
intersection you can
narrow the
possibilities to a
single point

two satellites
intersection places
you on a circle

three satellites
intersection places
you on two possible
points

the last satellite gives
you the exact location

lidar speed guns are
used by police to
measure the speed of
vehicles for speed
limit enforcement
purposes

Lidar can create a
topographical map of
the fields and reveal
slopes and sun
exposure of the farm-
land; and help
determine where to
apply costly fertilizer

lidars tend to pro
longer ranges
TOF cameras,
tend to perform b
in bright daylig

autonomous veh
may use lidar
obstacle detec
and avoidance
navigate safe
through
environments, u
rotating laser be

radars- the sensor of
choice for unmanned
aerial vehicles

radar sensors can
measure distances of
multiple kilometers

