

The background is a dark blue gradient with a subtle pattern of white dots. Overlaid on the left side are several concentric circles and arcs in a lighter blue color. Some of these arcs have degree markings, such as 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, and 260. There are also small arrows pointing in various directions, suggesting a circular or rotational theme.

OUTDOOR LOCALIZATION

CMSC 818G (SPRING 2014)

MARCH 4, 2014

YEHUDA KATZ

INTRODUCTION

- Three basic requirements



SATELLITE BASED LOCATION

- Theory of Relativity (1956)
- Sputnik – Doppler Effect (1957)
- Transit System (1960)
- Navstar-GPS (1978 – 1985)
- Korean Air 007 (1983)
- Differential GPS
- Assisted GPS
- Modern Signaling
- GLONASS / (GALILEO) / BEIDOU / (IRNSS)



OTHER RADIO

- Amateur Radio
- LORAN
- ROLAX
 - Invented here!
 - WiMAX
- E911

