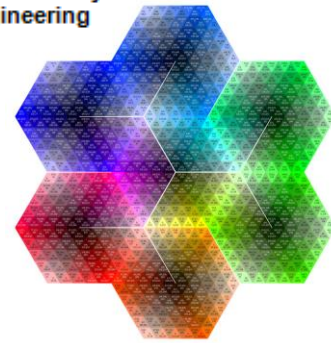


Remote Sensing

Lecture 7: Operating Satellites in the Optical Spectrum



Dr. Eng. Hassan Mohamed Hassan
Hassan.husseain@feng.bu.edu.eg
Geomatics Department



Current Satellites missions specifications

- Lifetime span (Lunch time)
- Orbit Altitude
- Spatial resolution
- Spectral Bands (Sensors)
- Swath width
- Revisit Frequency
- Applications



Examples of current Satellites missions

- Landsat-7&8
- Spot 6&7
- Worldview-2&3 , GEOEYE-1
- ASTER, Sentinel
- Pleiades
- ZY-3 , GF-5&6
- EgyptSat A



Supplementary files:

- <https://www.maxar.com/constellation>
- <https://eosps.nasa.gov/current-missions>
- <https://www.intelligenceairbusds.com/optical-and-radar-data/#spot>
- <https://directory.eoportal.org/web/eoportal/satellite-missions/v-w-x-y-z/zy-3a>
- <http://www.russianspaceweb.com/egyptsat-a.html>

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Thanks

Dr.Eng. Hassan Mohamed