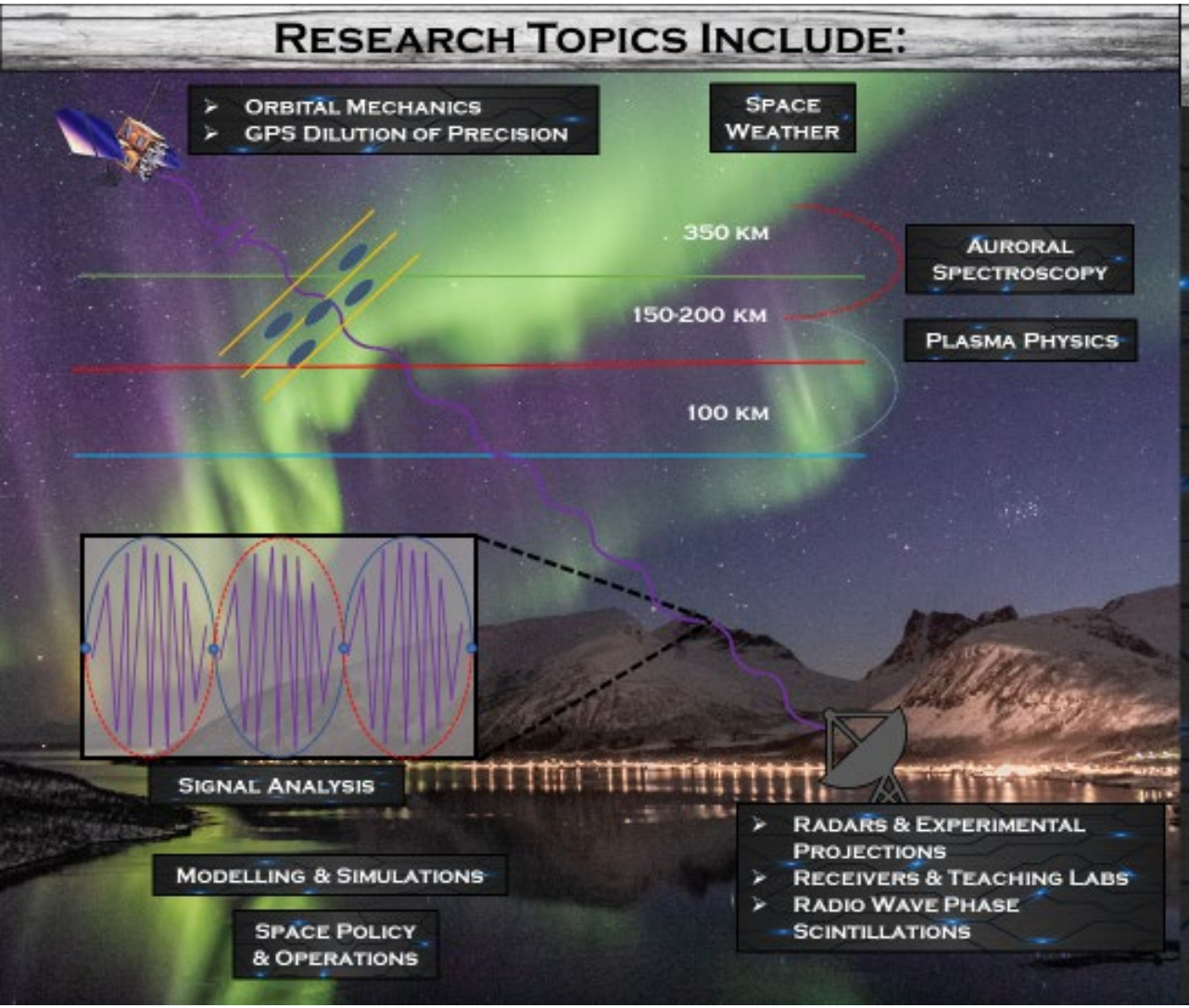
UNITED STATES MILITARY ACADEMY
WEST POINT®

Physical mechanisms & operational effects of ionospheric interference on unencrypted navigation solution parameters

Research Topics Include:



Space Weather Research at USMA

Space weather's effects on GPS signals in the auroral oval have led to numerous advances in how we understand the behavior of the high-latitude ionosphere.

Overarching Research Questions:

- What are the underlying physical mechanisms causing observed unencrypted navigation signal scintillations in the auroral oval?
- Can a globally accepted metric be devised to represent the operational impact of observed unencrypted navigation signal scintillations in the auroral oval?

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