

Of Waves

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1 Observations

Observation. 1.1 Waves are carriers of information, coordinates.

Observation. 1.2 Given a wave burst emitted on an antenna, exactly one wave is read.

Observation. 1.3 Given a wave burst emitted on a multipolar antenna, wave is read by pole closest to burst.
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^aPlanet Earth, wave always read by the right antenna for the case of equally distant antennas.

Observation. 1.4 Waves are carriers of information, an identifier.

1.4.1 Waves emitted by the same burst carry the same identifier.

2 Definitions

Definition 2.1. Wave Burst: The collection of waves emitted by the same trigger.

Example 2.1. *Consider a click sound. Wave burst would be collection of waves emitted carrying the sound "click".*

3 Open Problems

- Number of waves emitted per burst.
- Direction of waves emitted by a burst.¹

¹For example emitted in a beam, spherical, random, etc..