



field →

Physics aims to explain what may seem to be diverse, unrelated physical phenomena, through a small set of fundamental unifying concepts. A field is one of these important constructs. Obvious interactions with fields happen through disturbances in the fields, which we either create or detect. Such disturbances propagate as waves. Acoustic waves, water waves, and electromagnetic waves (radio, light) are examples of wave phenomena that are related through the mathematics of the physics of waves.

Fields are fundamental in that they describe space, through the presence of waves, everywhere, and can serve as powerful intellectual levers that can catalyze the way a person thinks about anything.

For example, if one understands how sound waves work – how they propagate, interact, and carry energy – then they can serve as a cognitive bridge to understanding the behavior of electromagnetic waves. And these waves carry much of the information in modern life.

