PhF

a distribution of unique physical values at each point in space

We propose an exhibit, which enacts the following field principles: fields exist everywhere; fields can be disturbed; and disturbances in a field travel as waves, carrying energy and information. The values in a field may also indicate both magnitude and direction (of a force, for example). They might be light levels, wind speeds, or sound pressure levels; when mapped, values might tell of a shadow, an approaching cold front, or sound propagation.

Imagine a field of sunflowers. When there is wind, the sunflowers will bend in the direction of the wind.

If we plot on paper the magnitude and direction of the bending of each sunflower with arrows, then we have a "vector field" or a wind velocity field. If the wind stops, the "source" is gone, and the bending will cease.

But the sunflowers are still there! The sunflowers are still a field as points in space.