

# DIFFRACTION GRATING

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## 1. THEORY

Diffraction is the phenomenon where the wave bends around corners while interference is the phenomenon where two or more waves meet and interact. We experiment with something called a **diffraction grating**. A diffraction grating is an optical device that diffracts a beam of light via a lot of diffraction slits. This type of division of light is called division by wavefront.

Now we need a method of denoting light waves on diagrams. We use wavefronts to denote waves of light. The wave fronts are drawn perpendicular to the waves such that all points on that wave front correspond to the same phase.

### 1.1. Interference.

We

## 2. EXPERIMENT

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*URL:* [theinvisiblefoe.github.io](https://theinvisiblefoe.github.io)