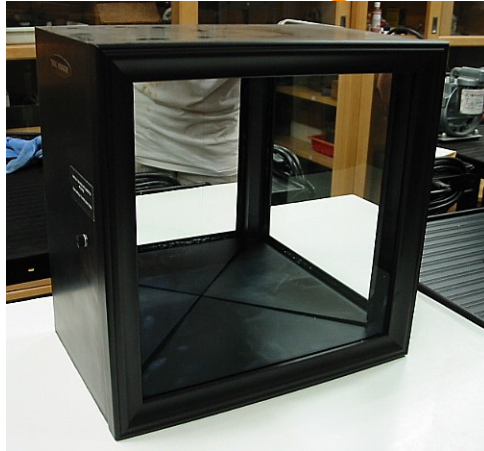


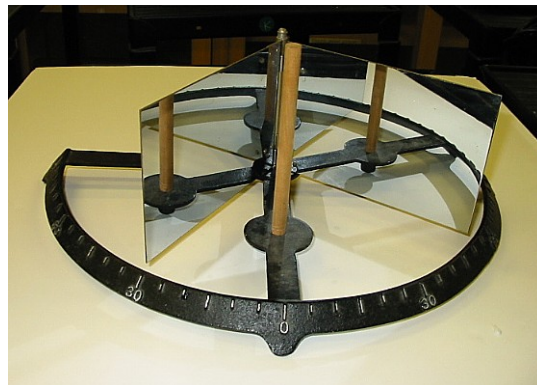
Mirror Images



Magic Box



View into the Box



The General Problem's Solution

Purpose: Demonstrates images formed by plane mirrors.

Here are two interesting gadgets which illustrate how confusing it can get when more than one mirror is present. The first is the magic box, which consists of two mirrors meeting at right angles (There is an adjusting screw on the side to make it perfect.). The result is an image of either side, and of what's in front. The trick is that, with the mirrors arranged like this, left and right are reversed in the reflection.

The general problem of images can be reduced to the classic homework problem: An object is placed between two mirrors which meet at a given angle, how many images do you see? Our second gadget provides a “no argument” answer.

Note:

Extra Equipment: None

Location: Shelf C1