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Kaléidoscope .



The **kaleidoscope** is an optical instrument that reflects the external light in infinity and in color, producing endless combinations of pretty images.

The object:

The observer looks on one side of the tube, the light enters on the other and is reflected on the mirrors.

Invented by Scottish physicist Sir David Brewster in 1816 while experimenting with the polarization of light.





Physics.

Set of three plane mirrors forming a prismatic surface whose section is an equilateral triangle whose reflecting faces are facing each other and which are arranged in a cylindrical tube.

The kaleidoscope has inspired many writers and philosophers. Insofar as it has both a finite number of elements in a finite (closed) space and yet it allows an indefinite number of combinations, it gives a concrete, symbolic illustration of how we can create something again by simply rearranging what already existed before.

He thus gives a figure reconciling the apparently opposite terms of permanence and change, of identity and difference.

This image also makes it possible to illustrate a statement supporting that it is not the elements that make the whole, but the form that their combination takes: the whole is not reducible to the sum of its parts. From a finite number of elements, one can create a large number of different figures.

Part of my research.

Artwork

Posted by [Veronica IN DREAM](#) at 11:48 AM