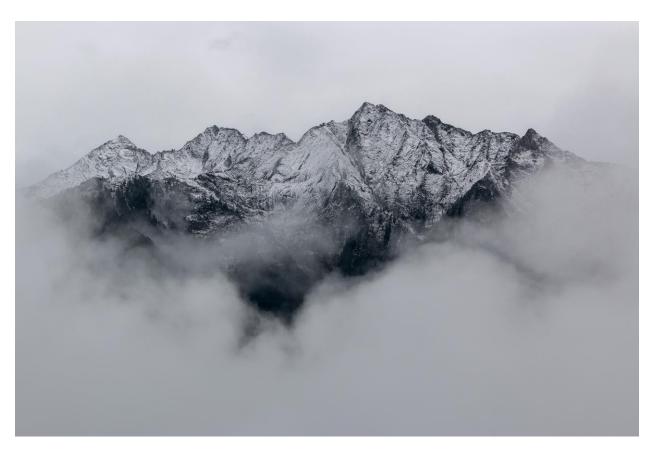
Configuration Symmetry



Ilexa Yardley

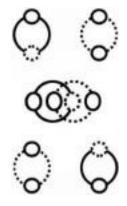
<u>Sep 21, 2018</u> · 2 min read

Noether's Theorem



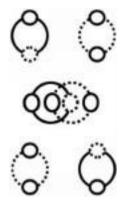
Symmetry. Nature. (Photo by Eberhard Grossgasteiger)

<u>Conservation</u> and <u>symmetry</u> share a circular relationship. This is <u>Noether's</u> Theorem. It looks like this:



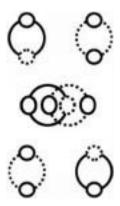
Conservation. Symmetry.

Meaning 'configuration' symmetry (the circular relationship) pervades all of Nature.



Configuration. Symmetry.

Explaining why, and, also, how, conservation of the circle (noun, verb) is the core (only) dynamic in Nature.



Conservation of the Circle

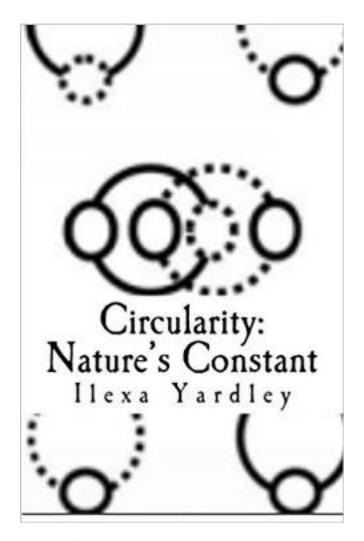
Meaning, and we all 'know' this, on one level, or, an, other, you cannot depend on observation (what you 'see') to tell you what you need to 'know.'

The diagram shows you what a unit, at any scale, looks like to Nature.

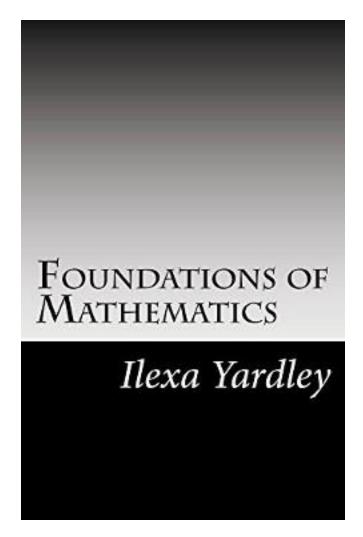
Or, another way of saying this is, everything is moving relative to everything else, so, in order to 'see' what is going on, we have to 'stop the movement' which is, technically, impossible.

So, we use the 'concrete abstraction' above (and below) which shows us the 'real' relationship between a circumference and a diameter. Giving us the 'configuration' (symmetry) for everything in Nature.

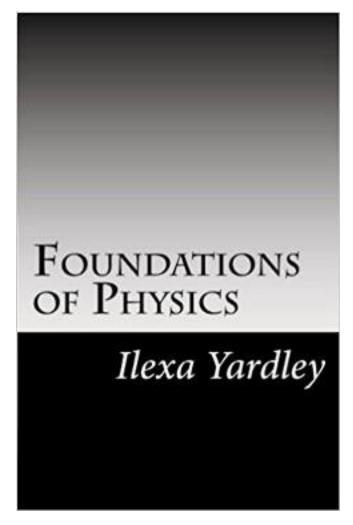
Conservation of the Circle is the core, and, thus, the only, and, thus, the most important, dynamic in Nature.



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