

Strings, Lines, Loops, Dimensions, and Relational Bundles

Adam InTae Gerard¹

o.o Introduction

This paper is conceived as joint attack on the *concept of objecthood* whose lasting and pernicious **monopoly** on fundamental ontology has infected and ruined most areas of genuine human inquiry.

The concept of an object is reinforced by the concept of a dot. Dots, points, produce numerous conceptual worries particularly when such limited conceptual and ontological building blocks generate problems within theoretical physics.

I will address this problematic concept² by demonstrating mostly why it is not needed. Along the way I will attempt to articular pointless topologies and demonstrate *Relational Bundle Theory* as coterminous with the strings of String Theory.

i.o Observations

[o.o.1] A *dot* is **not** a *point* but a *circle* (or like the *infinity* symbol). A “self-subsisting” *closed*, *one-dimensional*, thing – this is a *string* (per string theory) and a kind of closed *loop*.

There is no space to it though we are forced to think in our mind of it as a *circle* (a line with *space* evenly proportioned between every opposite part of the line that can be finitely represented but infinitely traversed). Herein we find Kant’s observation that the mind pre-structures or pre-configures our understanding of fundamental conceptual building blocks.

Another way: by way of the *infinity* symbol (and is that realization not infinite in value – that Democritus has made such a great joke of the foolish species humanity?).

[o.o.2] n dimensions can be represented in $n-1$ dimensions. One can draw a cube on a piece of paper. This is the main takeaway from the theory of *mathematical* holograms.

This is the hint of ontic *structuralism* – that there are no totally *free-standing* things save for the *one* which is simultaneous *all* and *many* (not totally free-standing things).

[o.o.3] This is leap from *dots* to *lines*. From *points* to *structures*. Hegel’s remark applies here but it need not be *The State*. He called for us to enjoin all into a self-organizing language

¹ Revision 0.0.5– 3.1.8.18 - <https://www.linkedin.com/in/adamintaegerard/>

² Perhaps one of the greatest early fallacies was failing to recognize the greater structure of the *dot*: the *atom*. To get from 1 dimension from 0 dimensions - *Ex nihil nihil* – seemingly nothing – that is why Democritus laughs – he mocks us!

structure with its customs and rules governed by *logos* – i.e. the birth of the concept of the *Nation State*.

Here, the *dot* bears political implications. The *Pathetic Dot*³...

[o.o.4] Our bodies are languages systems (bacteria, cells, DNA, proteins). The world is language systems. And so on.