The General Intelligent Design (GID) Model

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Abstract: In this article, a history as to the discovery and publication of the General Intelligent Design (GID) properties is given. The major GID-conclusions are stated and a brief glossary of terms is given.

1. A History

In 1979, I began constructing a mathematical "analogue" model that solves the General Grand Unification Problem. The model mainly employs concepts from universal logic. The idea is that scientific general **linguistic descriptions** for material events, obviously, should actually correspond to the material events. Thus, by applying modes of logical deduction one should have an **analogue** model for the step-by-step production of the actual material physical-events, the physical-systems, that comprise the step-by-step development of a universe. Further, the model is designed to apply to other universes not just the one in which we dwell. And, until 2013, except for properton formations, no other mechanisms were considered relative to the substratum formation of a universe.

The original model was called "The Deductive-World (D-world) Model." The "intelligence" is the obvious intelligence it takes to make deductions using a specific set of rules. The deductions are applied to predicted entities called "ultrawords." Obviously, the term "design," if I had used it, would refer to the content of the detailed descriptions that correspond to the material events. There was no need for the use of the phrase "intelligent design," since it is but an obvious, if not trivial, phrase that combines the original D-world notions of a description and logical deduction. Apparently, I did not use the term until 2002. The model also generates other interesting results as well via nonstandard analysis.

Beginning in 1984, I published in the Abstracts of the American Mathematic Society the contents of a series of papers detailing individual aspects of the D-world model construction. They are 84T-03-61 in 1984 (5) No. 1, 84T-03-93 in 1984 (5) No.2, 84T-03-320 in 1984 (5) No. 3, 84T-03-374 in 1984 (5) No. 4. I gave the complete D-world model solution in a paper presented at the Mathematical Association of America

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meeting at Western Maryland College, 12 Nov 1994, under the title, "Solution to the General Grand Unification Problem and the questions 'How Did Our Universe Come into Being?' and 'Of what is Empty Space Composed?' " This complete paper, with an added Appendix, appears arxiv.org (Herrmann, (1999)).

It was in 1998 that Dembski brought out his inadequate, indeed, almost worthless concept of "intelligent design" (RID) that has no measurable mode of intelligence. There is such a measure for the D-world model with its explicit definition for intelligence. The phrase "intelligent design" had immediate application to my D-world model. Thus, I wrote my 2002 book to counter the Dembski rather worthless RID approach and termed the D-world model the General Intelligent Design (GID)-Model, which I also called "General Design Theory." The world "general" is necessary. I should have kept the title General Design Theory and not use GID. But, else, this is not the case. If it is not GID, then it is not me.

My analogue GID-model, with the GGU-model interpretation, sufficed until I decided, in 2013, to restructure the GGU-model into two parts. The basic mechanisms are based entirely upon observable modes of human behavior, and these predict the described substratum mechanisms, the **secular GGU-model** with its schemes (Herrmann (2013)). This purely "ultranatural laws" portion, which does display intelligent actions that can be ignored as is done in Quantum Logic, can be coupled with the GID-model. RID has proved to be a very divisive notion. And my form of ID is almost always confused with RID, although at the time it was still called "General Design Theory."

As mentioned, I attempted to counter the RID notion by means of my 2002 book (Herrmann, (2002)) that discusses, in detail, the **GID**-model form of the analogue GGU-model. Of course, when discussions relative to "ID" appear in the literature or on the Internet this has not been the case since the "R" and "G" are not used to differentiate between the two approaches. Rather, the symbols "ID" are employed and in all but one or two cases these refer only to RID.

2. The Three General Intelligent Design Model Statements

GID-intelligent design has, from its beginning, been concerned with the rational formation of the descriptions for various physical-events as such descriptions directly relate to the material production of physical-systems (the physical-events). As defined in Section 3, GID-intelligence, GID-design and GID-intelligent design is NOT related to the content of any descriptive physical law.

The standard mathematical superstructure can be used to present, via a basic

interpretation, rational statements relative to standard physically related intelligent agency. It is this standard approach that leads to the actual significant GID-model predicted results. Via a nonstandard mathematical model and its general interpretation, the combined GID-model and the GGU-model processes rationally predict the following statements.

> Acceptable scientific evidence indirectly verifies that (1) an higher-intelligence designs and produces each material physical-event (i.e. physical-system). (2) An higher-intelligence designs and produces the intertwining of the collection all material physical-events that comprise each moment during the development of a universe. (3) An higher-intelligence designs and produces the moment-to-moment development of a universe. The higher-intelligence that satisfies these three statements has many additional features such as measures for the strength of the intelligence being displayed by the actions taken and the production of "ultranatural-systems and events." The predicted intelligent actions correspond to an exceptionally strong form of deduction.

The term "physical" need not be merely applied to our present universe. It means entities or behavior that can be perceived through human and machine senses or, but need not be, what is accepted by various science-communities as "real" but unobservable. Since the GID-model uses general descriptions as its foundation, then many different universes can be rationally described, universes in which we could dwell, and the three statements apply to these also. This is particular significant for various theological interpretations. For example, the rapid-formation GGU-model process allows for a strict Genesis 1 creation scenario, The Eden Model (Herrmann, (2014b, 2015), to be GID-intelligently designed as well as produced by the GGU-model processes. (Note: I accept The Eden Model.)

3. A Brief Glossary of Terms

My ID analysis (GID) is not related in method nor conclusions to the inadequate, unscientific and highly criticized Johnson-Dembski-Behe theory Restricted Intelligent Design (RID) as championed by members of the Discovery Institute. Neither the GID-model nor GID-intelligent design is, as yet, the intelligent design notion symbolized by "ID" and discussed, in detail, throughout the Internet nor by Wikipedia under the heading "intelligent design." It is a mathematical model with interpreted statements based upon the following definitions.

Agent. Any entity that takes an active role and/or produces specific results.

Agency. Action. An action that produces a specific effect(s).

Event. This is a real physical or ultranatural occurrence of entities or behavior that is being described by a string of standard or nonstandard symbols or images. Events, in general, are considered to exist external to any description that depicts them. However, when the term is used for aspects of the GGU-model, its meaning can be contextual controlled. In certain cases, it carries a dual meaning of the description or the real entity or real behavior being depicted.

GID-design. (Note that when appropriate the verb "to design" is employed.) Contextually there are two coupled meanings for this term. These two meanings are directly related to the two aspects of the actions that can yield such designs. First, a design is a **general language meaningful description.** Specifically, each sequential slice of a universe, a universal-wide frozen-frame (UWFF), is composed of physical-systems. Via the developmental paradigm, each such physical-system configuration is considered as meaningfully described by a general language. Such design includes the described intertwining of a vast number, or even infinitely many, physical-systems. Design also refers to any described alterations in the designed configurations that may occur from one UWFF to another sequentially occurring UWFF. That is, by comparison, the alterations are considered as designed.

For GID, the term also means the arrangements of the physical entities that yield the various patterns being described, the natural patterns, or the patterns that satisfy physical laws or processes. This "design" concept is also being modeled by the general language descriptions.

There are other "designed" entities that are external to the design notion as applied to a UWFF. Such designs are based upon methods of describing physical processes and physical-laws. For example, various "substratum" processes.

GID-model = General Intelligent Design Model.

GID-intelligence. One special aspect of intelligence is defined as the application of logic. Human beings learn by experience or education physical

"cases and effect" actions. A specific physical action leads most probably to a specific physical result. It is due to the acquiring of such knowledge that we can function within our physical world. We mentally consider an action, and apply the action believing that a desired effect will be produced. A simply linguistic model for this is the "rule of attachment" as it is called in elementary textbooks. In terms of the basic logic-system algorithm and corresponding consequence operator properties, the rule of detachment (modus ponens) is modeled and is what is used as the foundation for GID-intelligence.

GID-intelligence relative to the UWFFs, refers specifically to the defined logic-system algorithm that deductively yields the sequentially intertwined physical-system descriptions for each UWFF and the sequentially presented collection of UWFFs descriptions. Other described entities that apply such deduction, such as physical laws and the production of physical-systems, also satisfy this intelligence definition. A second form of GID-intelligence is application of a rule that requires a specific count to be made. However, GID-intelligence is not dependent upon the content of a physical-system. GID-intelligence is measurable.

Of considerable significance is that, relative to physical behavior, *GID-intelligence is falsifiable.* The higher-intelligence predicted from standard GID-intelligence, when restricted to the observable physical world, is standard GID-intelligence and, hence, would be countered if GID-intelligence is falsified.

GID-intelligent design. This corresponds to the actions that satisfy the same patterns that are specified by GID-intelligence. These patterns are relative to the two forms of GID-design and constitute intelligent agency (actions). The first form being the presentation of the descriptions.

Physical-system. This is a defined collection of named physical objects, the constituents, which are so related as to form an identifiable whole. Specific relations between the constituents are the bases for establishing the behavior of the entire structure. *Contextually, it can refer either to a description for the collection or the matter so collected (i.e. the physical-event).*

Physical-event. A physical-event is a physical form, a physical pattern, a physical phenomenon, a physical object or system in the sense that

it either yields human or machine sensory-impressions or is accepted to exist by a science-community. The term physical means, for our universe, material entities. It is considered as an actual real composition of a physical-system.

References

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