

## F.E.D. Preface to F.E.D. Vignette #4

### *The Gödelian Dialectic -- Miguel's Achievement*

by Karl H. Seldon, co-founder of F.E.D.

I wish to call to the attention of this site's guests the superlative degree to which Miguel Detonaciones -- the newest member of F.E.D. -- has fulfilled his 'habilitation«fes»' assignment: to produce our most comprehensive exposition yet of that one of the central exemplars of the "F.E.D. Dialectic" which we call 'The Gödelian Dialectic of the Standard Arithmetics'.

Miguel has, in that process of fulfillment, also crafted a text which now stands -- together with E.D. Brief#1, crafted by F.E.D.'s Public Liaison Officer, Aoristos Dyosphainthos -- as the best introductory manual/handbook/"cook book" on how to apply the algebra of F.E.D.'s *First Dialectical Arithmetic* to the construction of dialectical models & 'meta-models'. The URLs for these two texts are --

[www.dialectics.org](http://www.dialectics.org)

<http://www.dialectics.org/dialectics/Briefs.html>

[http://www.dialectics.org/dialectics/Briefs\\_files/Brief1-29JUL2008\\_OCR.pdf](http://www.dialectics.org/dialectics/Briefs_files/Brief1-29JUL2008_OCR.pdf)

<http://www.dialectics.org/dialectics/Vignettes.html>

[http://www.dialectics.org/dialectics/Vignettes\\_files/v.4.1.Prefatories,Miguel\\_Detonaciones,F.E.D.\\_Vignette\\_4,The\\_Goedelian\\_Dialectic\\_of\\_the\\_Standard\\_Arithmetics,last\\_updated\\_22OCT2012\\_1.pdf](http://www.dialectics.org/dialectics/Vignettes_files/v.4.1.Prefatories,Miguel_Detonaciones,F.E.D._Vignette_4,The_Goedelian_Dialectic_of_the_Standard_Arithmetics,last_updated_22OCT2012_1.pdf)

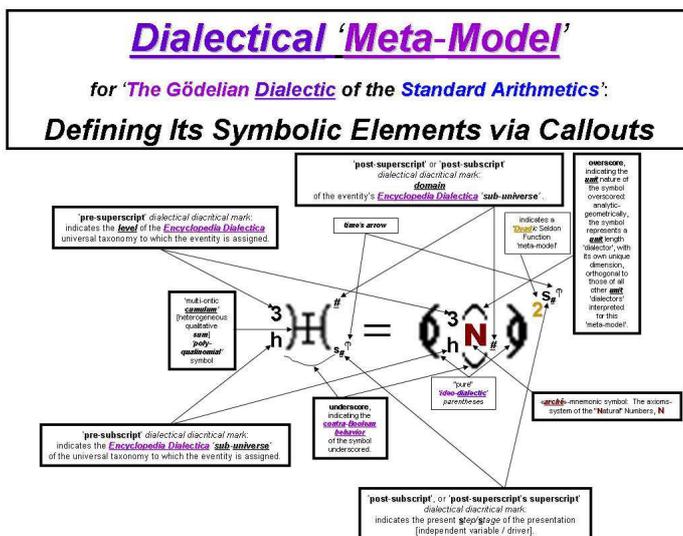
[http://www.dialectics.org/dialectics/Vignettes\\_files/v.4.2.Part\\_I,Miguel\\_Detonaciones,F.E.D.\\_Vignette\\_4,The\\_Goedelian\\_Dialectic\\_of\\_the\\_Standard\\_Arithmetics,last\\_updated\\_07NOV2012.pdf](http://www.dialectics.org/dialectics/Vignettes_files/v.4.2.Part_I,Miguel_Detonaciones,F.E.D._Vignette_4,The_Goedelian_Dialectic_of_the_Standard_Arithmetics,last_updated_07NOV2012.pdf)

[http://www.dialectics.org/dialectics/Vignettes\\_files/v.2.Part\\_II,Miguel\\_Detonaciones,F.E.D.\\_Vignette\\_4,The\\_Goedelian\\_Dialectic\\_of\\_the\\_Standard\\_Arithmetics,last\\_updated\\_07NOV2012.pdf](http://www.dialectics.org/dialectics/Vignettes_files/v.2.Part_II,Miguel_Detonaciones,F.E.D._Vignette_4,The_Goedelian_Dialectic_of_the_Standard_Arithmetics,last_updated_07NOV2012.pdf)

Miguel's **Vignette #4** includes, as its "Part I.", a thorough introduction to the background about dialectics in general, and about "F.E.D. Dialectics" in particular, that is needed to understand its "Part II.", the core section of his text, which renders -- in coordinated fashion, ideographically, pictographically, and narratively, together -- the exposition of that progression of systems of standard arithmetic which constitutes 'The Gödelian Dialectic'.

Along the way, Miguel manages to illustrate these background 'principles of dialectical modeling', via not one but two distinct 'dialectical models' of Marx's *Capital*, via a translation of the second of these two models of *Capital* into a dialogue, as well as via a translation of the F.E.D. 'meta-model' of 'The Gödelian Dialectic' into a similar 'dialogue-ic' format.

The main 'dialectical-mathematical meta-model' that Miguel's text aims to explicate, however, is, of course, the 'meta-system', or 'systems-progression', given by the following 'dialectical meta-model' --



-- which captures the entire, 'ideo-systematic', 'ideo-taxonomic', 'ideo-ontological' exposition of the "Standard Arithmetics" in a single dialectical-algebraic formula, and which is the overall focus of the entire text, &, especially, of its core section, Part II.

That “dialectical meta-model’ is not just a ‘dialectical equation’, but a ‘dialectical *meta*-equation’, which generates a qualitatively different equation for each distinct value of its independent variable,  $s_{\#}$ . Miguel solves every one of these equations, for  $s_{\#} = 0$  through  $s_{\#} = 6$ , determining the necessary meaning of each initially “unknown” term, given the meanings of the dozen terms whose definitions he had ‘pre-stipulated’. Thus, the formula depicted above is a ‘meta-unit’ of seven separate ‘equation’ units -- ‘a *meta-equation*’ made up out of a heterogeneous multiplicity of equations’ -- and Miguel has [re]solved the meaning of every last term of that ‘meta-equation’.

Our archive of preparatory material for *Encyclopedia Dialectica* by now comprises a multitudinous multiplicity of ‘dialectical equations’ and of ‘dialectical meta-equations’, one for the known universe as a whole, and many more for detailed ‘zooms-in’ upon the many sub-universes of this universe, and for *their* sub-universes -- the sub<sup>2</sup>-universes -- as well... . Often enough, some of the terms of these ‘meta-models’ have remained unidentified -- as to whether they are uninstantiated [“inoperative”] or not -- right up until this very day.

Not so, in Miguel’s text, which I hope will set a new precedent, in this regard, and in others, for ‘dialectical-mathematical model building’ by the **F.E.D.** research community going forward.

In the process of crafting this text, Miguel weathered, with great aplomb, our “many cooks” manner of developing texts that speak for the **Foundation** as a whole, and of forging a consensus of the entire **F.E.D.** research community regarding every major text that we distribute publicly. This manner means, in particular, having to deal with “many editors” -- *a whole community* of editors. Miguel, before he joined the **Foundation** as a full member, was used to the editing of his blog-entries that were re-posted to this website in *Aoristos’s Blog*, by just one editor -- Aoristos himself. However, the experience of the **Foundation**’s full regalia “whole-community editing” of his “habilitation” text, had to be one of ‘a quantitative scale escalation that made a qualitative difference’. When I recently asked him about the experience, Miguel told me that he had found it “very rewarding”.

Likewise, the whole **Foundation** community has found Miguel’s contributions: “very rewarding” indeed!

Yours for *Global Renaissance*,

Karl H. Seldon